STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. MINERAL LEASE NO: ML-21577	6. SURFACE: State
1A. TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐	7. IF INDIAN, ALLOTTEE OR TRIBE NAME:
B. TYPE OF WELL: OIL ☐ GAS ☑ OTHER _____ SINGLE ZONE ☐ MULTIPLE ZONE ☑	8. UNIT or CA AGREEMENT NAME: UNIT #891008900A
2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE L.P.	9. WELL NAME and NUMBER: NBU 1021-32G
3. ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT ZIP 84078 — PHONE NUMBER: (435) 781-7024	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2038'FNL, 2065'FEL 622013X 44180624 39.905750 -109.572621 AT PROPOSED PRODUCING ZONE:	11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 32 10S 21E
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 17.8 MILES SOUTH OF OURAY, UTAH	12. COUNTY: UINTAH — 13. STATE: UTAH

15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET)	16. NUMBER OF ACRES IN LEASE:	17. NUMBER OF ACRES ASSIGNED TO THIS WELL:
2038'	640.00	40.00
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)	**19. PROPOSED DEPTH:**	**20. BOND DESCRIPTION:**
REFER TO TOPO C	9,150	RLB0005237
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.):	**22. APPROXIMATE DATE WORK WILL START:**	**23. ESTIMATED DURATION:**
5344'GL		

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
12 1/4"	9 5/8	32.3#	H-40	1,800	265 SX CLASS G	1.18 YIELD	15.6 PPG
7 7/8"	4 1/2	11.6#	I-80	9,150	1940 SX CLASS G	1.31 YIELD	14.3 PPG

25. **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- ☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- ☑ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
- ☑ COMPLETE DRILLING PLAN
- ☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE SENIOR LAND ADMIN SPECIALIST

SIGNATURE _____ DATE 3/13/2007

(This space for State use only)

API NUMBER ASSIGNED: 43-047-34136

Approved by the
Utah Division of
Oil, Gas and Mining

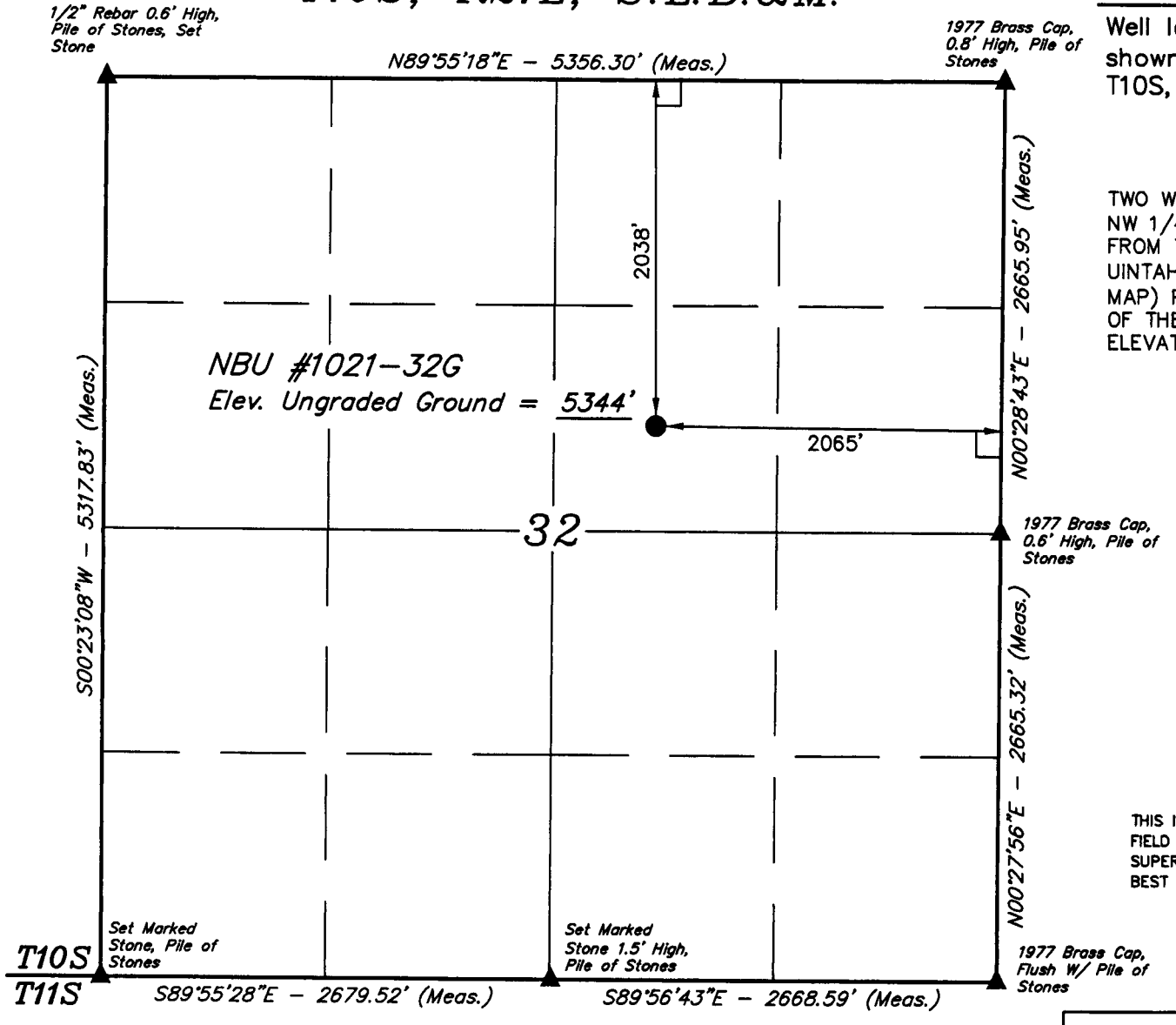
APPROVAL:

Date: 06-25-07
(See Instructions on Reverse Side)
By: _____

RECEIVED
MAR 16 2007
DIV. OF OIL, GAS & MINING

(11/2001)

T10S, R21E, S.L.B.&M.

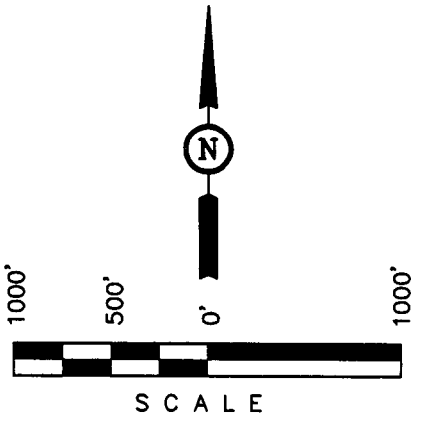


Kerr-McGee Oil & Gas Onshore LP

Well location, NBU #1021-32G, located as shown in the SW 1/4 NE 1/4 of Section 32, T10S, R21E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

(NAD 83)
LATITUDE = 39°54'20.43" (39.905675)
LONGITUDE = 109°34'23.88" (109.573300)
(NAD 27)
LATITUDE = 39°54'20.55" (39.905708)
LONGITUDE = 109°34'21.40" (109.572611)

LEGEND:

- └ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE: 1" = 1000'	DATE SURVEYED: 12-07-06	DATE DRAWN: 12-12-06
PARTY: L.K. J.M. S.L.	REFERENCES: G.L.O. PLAT	
WEATHER: COLD	FILE: Kerr-McGee Oil & Gas Onshore LP	

NBU 1021-32G
SW/NE SEC. 32, T10S, R21E
UINTAH COUNTY, UTAH
ML-21577

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers:**

Formation	Depth
Uinta	0- Surface
Green River	989'
Top of Birds Nest Water	1231'
Mahogany	1758'
Wasatch	4152'
Mesaverde	6995'
MVU2	7996'
MVL1	8505'
TD	9150'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

Substance	Formation	Depth
	Green River	989'
Water	Top of Birds Nest Water	1231'
	Mahogany	1758'
Gas	Wasatch	4152'
Gas	Mesaverde	6995'
Gas	MVU2	7996'
Gas	MVL1	8505'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment** (Schematic Attached)

Please refer to the attached Drilling Program.

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Drilling Program.

5. **Drilling Fluids Program:**

Please refer to the attached Drilling Program.

6. **Evaluation Program:**

Please refer to the attached Drilling Program.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 9150' TD, approximately equals 5673 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3660 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please refer to the attached Drilling Program.

10. **Other Information:**

Please refer to the attached Drilling Program.

KerrMcGee

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP		DATE	March 13, 2007	
WELL NAME	**NBU 1021-32G**		TD	9,150' MD/TVD	
FIELD	Natural Buttes	COUNTY Uintah STATE Utah	ELEVATION	5,344' GL	KB 5,359'
SURFACE LOCATION	SW/NE SEC. 32, T10S, R21E 2038'FNL, 2065'FEL			BHL	Straight Hole
	Latitude: 39.905675 Longitude: 109.573300				
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: UDOGM (SURF & MINERALS), BLM,Tri-County Health Dept.				

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'	14"		
			12-1/4"	9-5/8", 32.3#, H-40, STC	Air mist
Catch water sample, if possible, from 0 to 4,152'					
	Green River @	**0,989'**			
	Top of Birds Nest Water @	**1231'**			
	Mahogany @	**1,758'**			
	Preset f/ GL @	**1,800' MD**			
Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the acutal depth of the loss zone.					
					Water/Fresh Water Mud
Mud logging program TBD					
Open hole logging program f/ TD - surf csg			7-7/8"	4-1/2",11.6#, I-80 or equivalent LTC casing	8.3-11.3 ppg
	Wasatch @	**4,152'**			
	Mverde @	**6,995'**			
	MVU2 @	**7,996'**			
	MVL1 @	**8,505'**			
	TD @	**9,150'**			Max anticipated Mud required 11.3 ppg

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL			WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'								
								2270	1370	254000
SURFACE	9-5/8"	0	to	1800	32.30	H-40	STC	0.67********	1.63	4.99
								7780	6350	201000
PRODUCTION	4-1/2"	0	to	9150	11.60	I-80	LTC	2.31	1.18	2.17

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)

2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 11.3 ppg) .22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 3364 psi

********* Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE		**NOTE: If well will circulate water to surface, option 2 will be utilized**					
Option 2	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite +.25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,650'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	400	60%	11.00	3.38
	TAIL	5,500'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1540	60%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	*Float shoe, 1 jt, float collar.* Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utililzed.

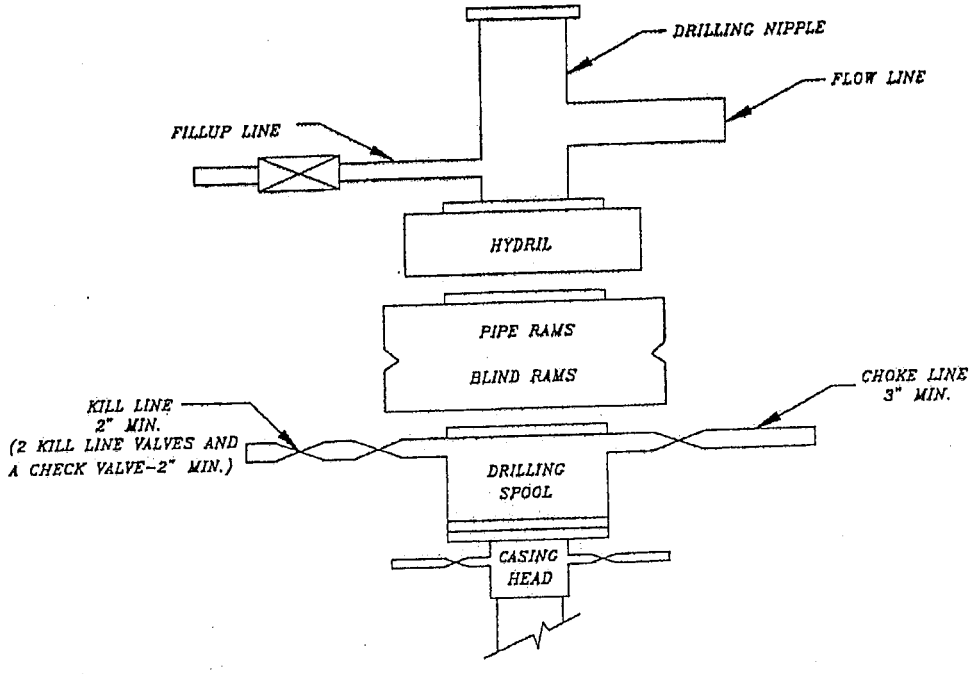
DRILLING ENGINEER: _____ **DATE:** _____

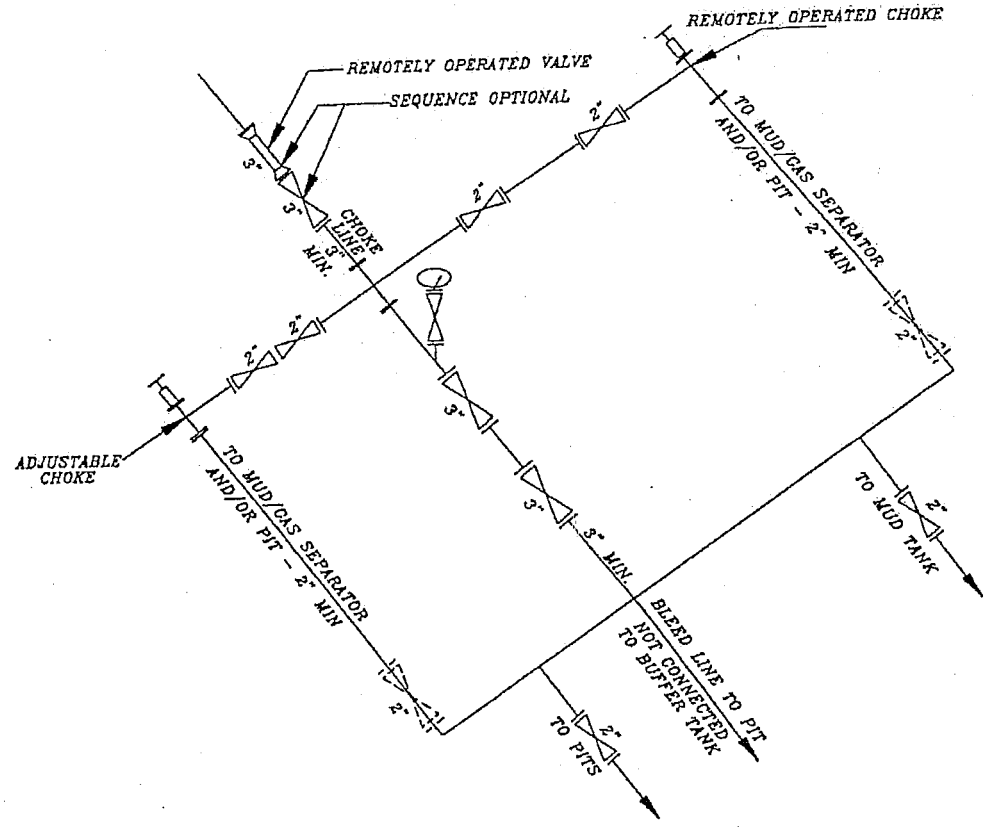
Brad Laney

DRILLING SUPERINTENDENT: _____ **DATE:** _____

Randy Bayne

5M BOP STACK and CHOKE MANIFOLD SYSTEM





NBU 1021-32G
SW/NE SEC. 32, T10S, R21E
Uintah County, UT
ML-21577

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to Topo Map A for directions to the location.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

Refer to Topo Maps A and B for location of access roads within a 2 mile radius.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

2. Planned Access Roads:

Approximately 0.1 +/- miles of new access road is proposed. Refer to Topo Map B for the location of the proposed access road.

The upgraded and new portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet. Appropriate water control will be installed to control erosion.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

The following guidelines will apply if the well is productive.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain

fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Carlsbad Canyon, standard color number 2.5Y 6/2.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Approximately 653' +/- of 4" steel pipeline is proposed. Please refer to the attached Topo Map D for pipeline placement.

5. Location and Type of Water Supply:

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32, T4S, R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

A plastic reinforced liner and felt will be used, it will be a minimum of 20 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled By truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E.

8. **Ancillary Facilities:**

None are anticipated.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

The reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance

between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Location size may change prior to the drilling of the well due to current rig availability. If the proposed location is not large enough to accommodate the drilling rig the location will be re-surveyed
and a Form 9 shall be submitted.

10. Plans for Reclamation of the Surface:

Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

A plastic, nylon reinforced liner will be used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

11. Surface Ownership:

SITLA
675 East 500 South, Suite 500
Salt Lake City, UT 84102

12. Other Information:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

A Class III archaeological survey will be submitted when report becomes available.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within the boundaries of the Unit.

13. Lessee's or Operators's Representative & Certification:

Sheila Upchego
Senior Land Admin Specialist
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East.
Vernal, UT 84078
(435) 781-7024

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435)781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by State Surety Bond #RLB0005237.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Sheila Upchego

3/13/2007
Date

Kerr-McGee Oil & Gas Onshore LP

NBU #1021-32G
SECTION 32, T10S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 15.6 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 48.8 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #1021-32G

LOCATED IN UINTAH COUNTY, UTAH
SECTION 32, T10S, R21E, S.L.B.&M.

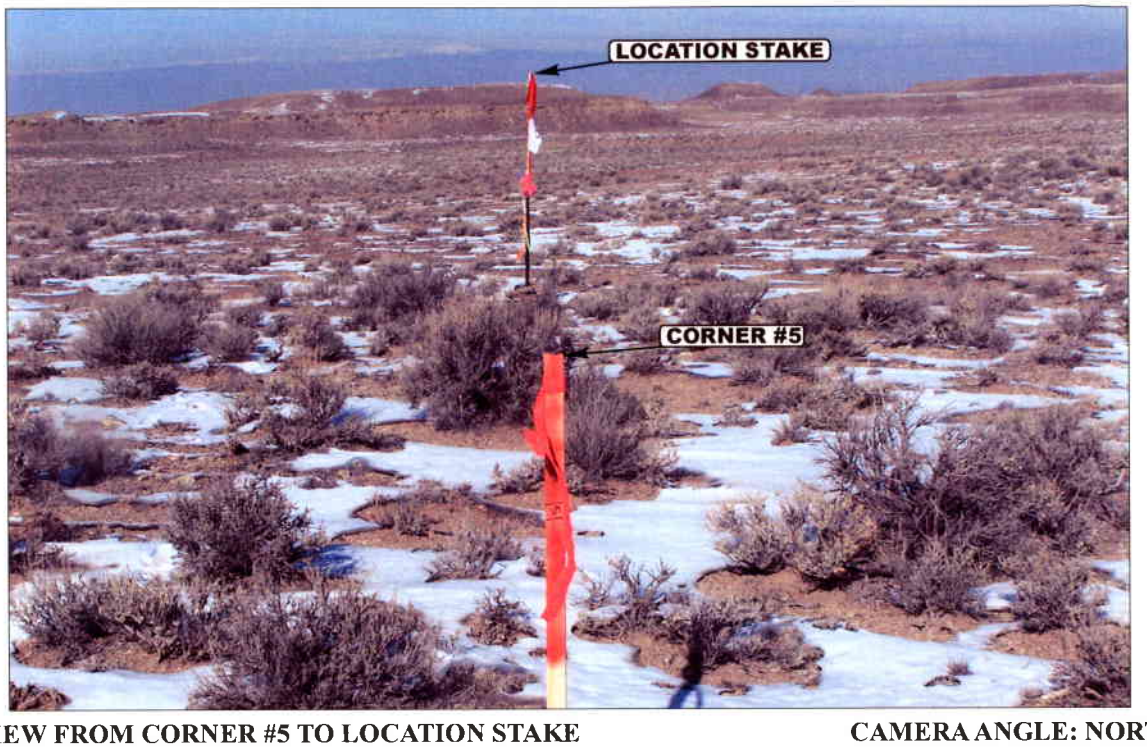


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE **CAMERA ANGLE: NORTHERLY**

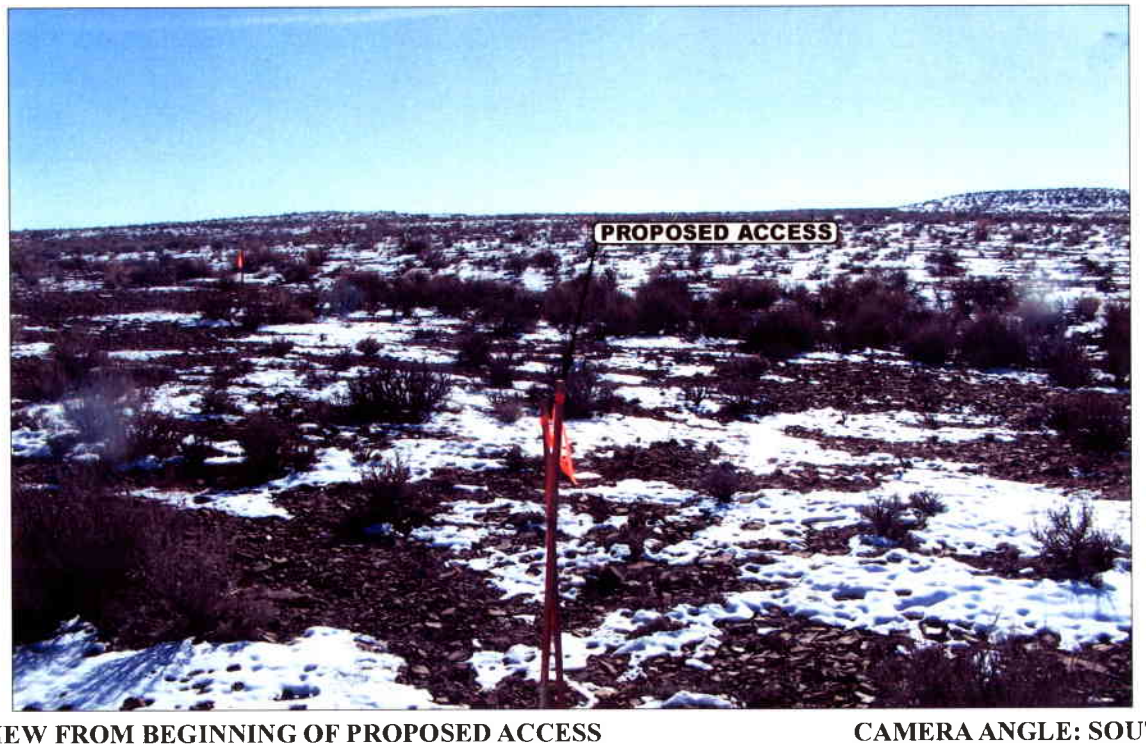
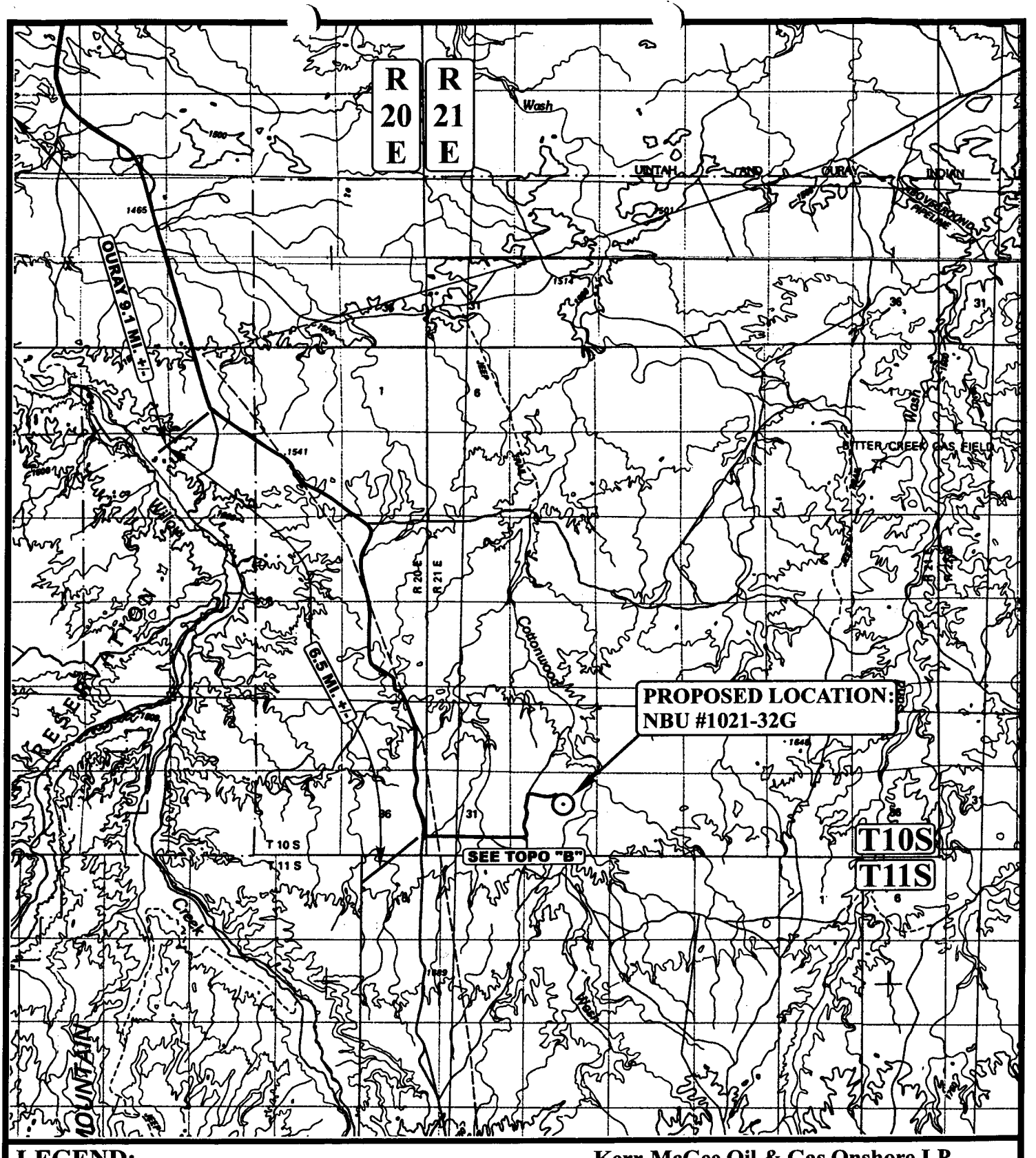


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS **CAMERA ANGLE: SOUTHERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS	12 MONTH	14 DAY	06 YEAR	PHOTO
TAKEN BY: L.K.	DRAWN BY: A.A.	REVISED: 00-00-00		



LEGEND:

⊙ PROPOSED LOCATION

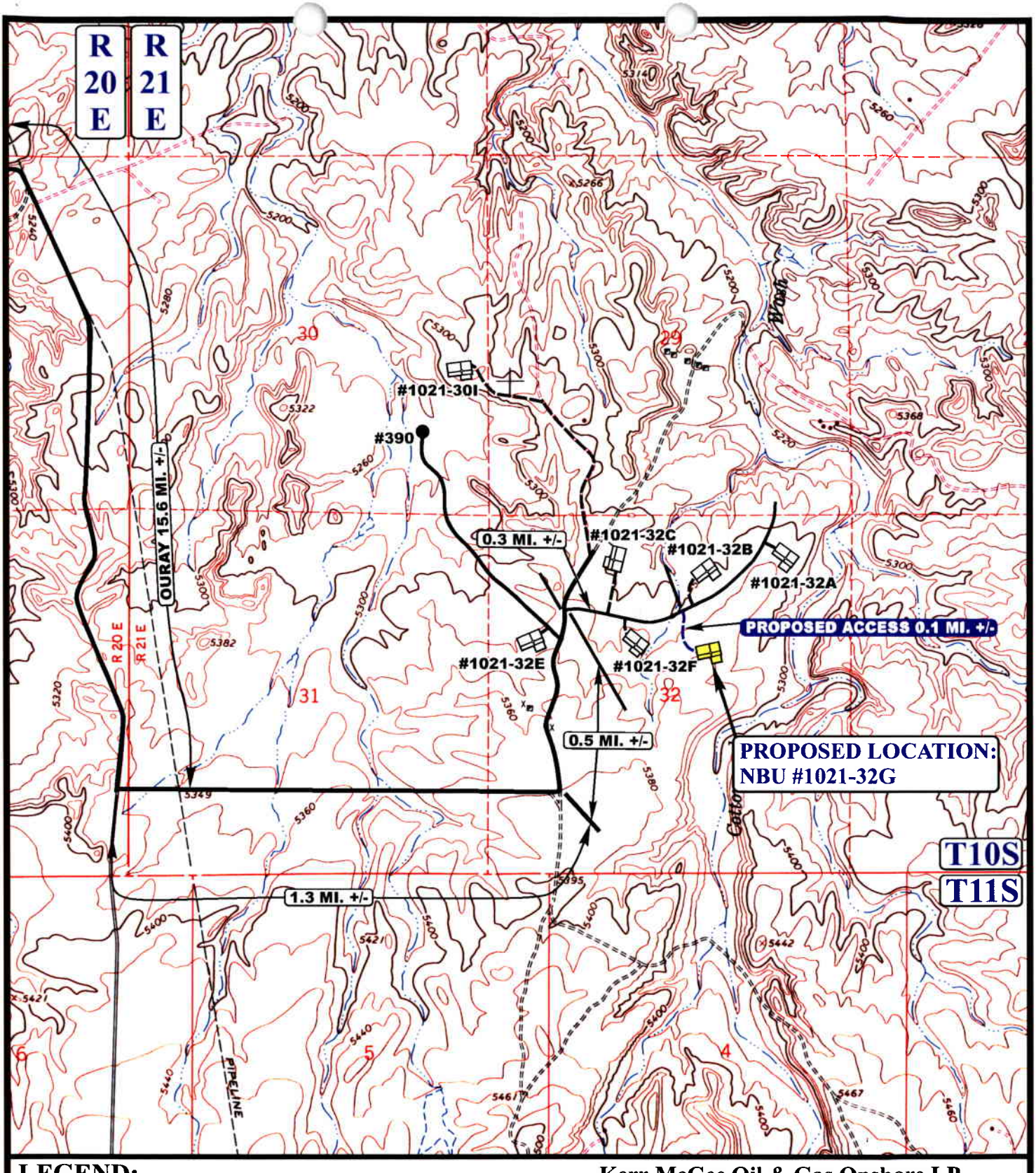
N

Kerr-McGee Oil & Gas Onshore LP

NBU #1021-32G
SECTION 32, T10S, R21E, S.L.B.&M.
2038' FNL 2065' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	12 MONTH	14 DAY	06 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: A.A.	REVISED: 00-00-00		



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

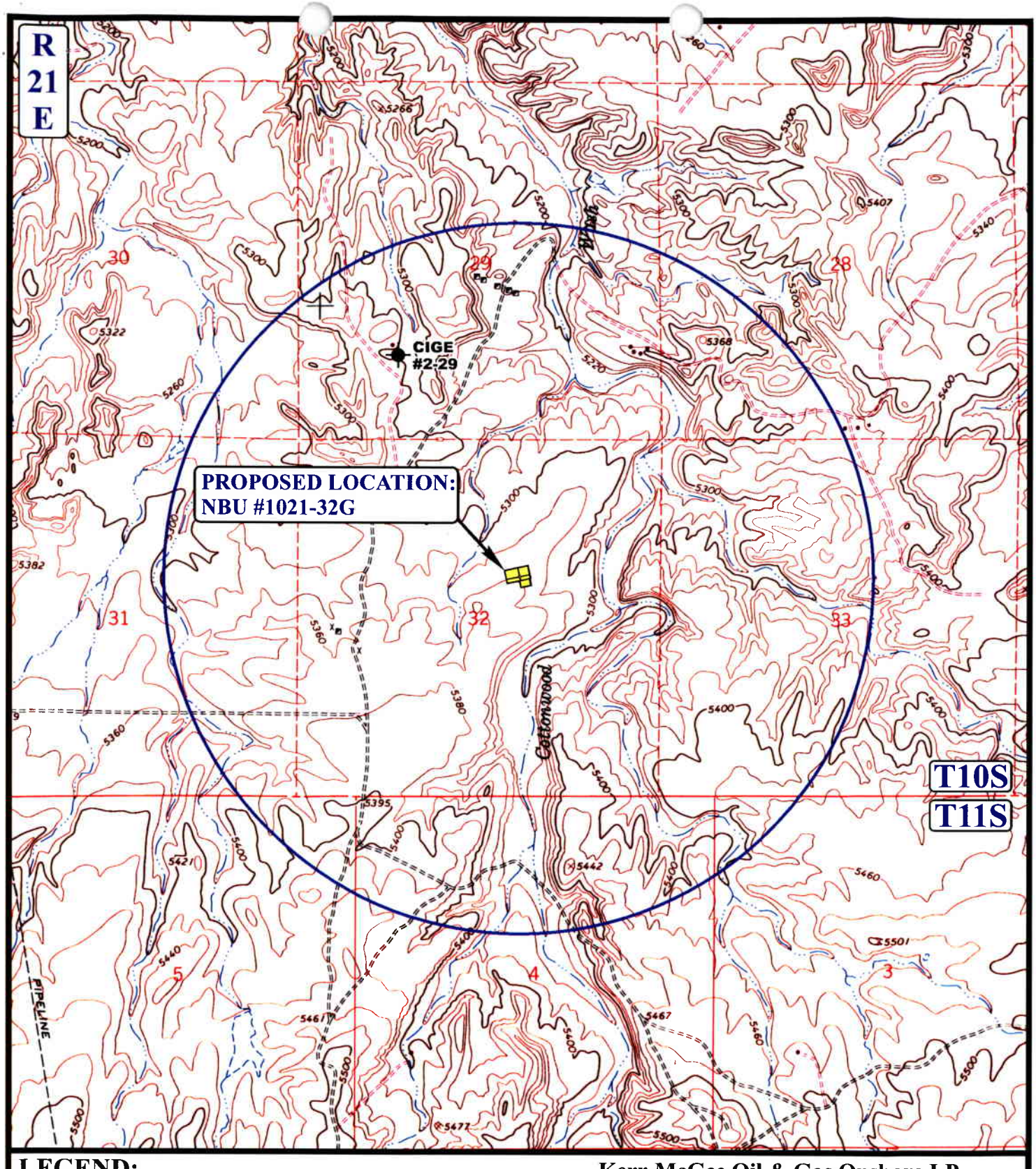
N

Kerr-McGee Oil & Gas Onshore LP

NBU #1021-32G
SECTION 32, T10S, R21E, S.L.B.&M.
2038' FNL 2065' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	12 MONTH	14 DAY	06 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: A.A.	REVISED: 00-00-00		



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N

Kerr-McGee Oil & Gas Onshore LP

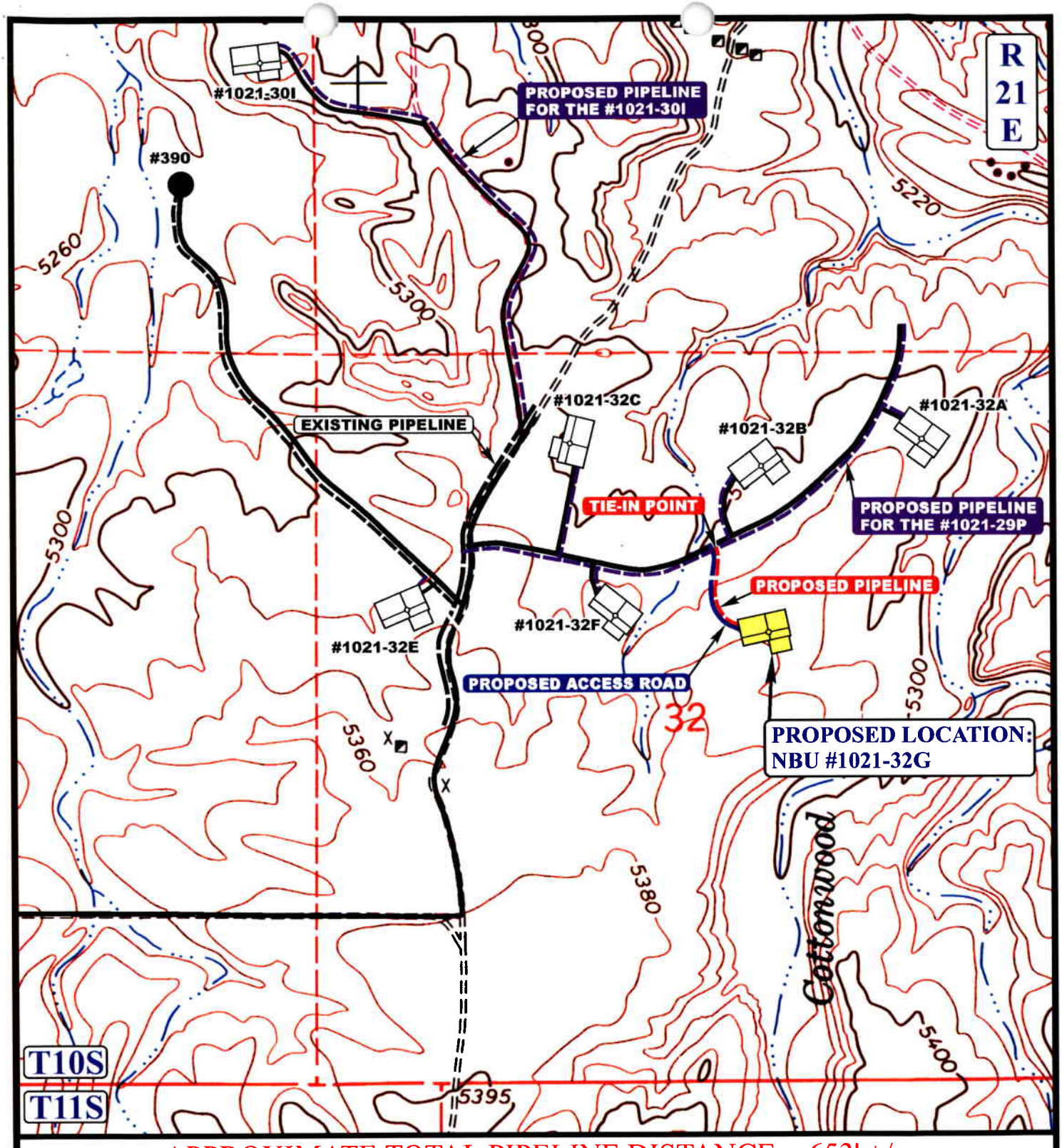
NBU #1021-32G
SECTION 32, T10S, R21E, S.L.B.&M.
2038' FNL 2065' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP | 12 MONTH | 14 DAY | 06 YEAR

SCALE: 1" = 2000' | DRAWN BY: A.A. | REVISED: 00-00-00

C TOPO



APPROXIMATE TOTAL PIPELINE DISTANCE = 653' +/-

LEGEND:

PROPOSED ACCESS ROAD
EXISTING PIPELINE
PROPOSED PIPELINE

N

Kerr-McGee Oil & Gas Onshore LP

NBU #1021-32G
SECTION 32, T10S, R21E, S.L.B.&M.
2038' FNL 2065' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	12 MONTH	14 DAY	06 YEAR	D TOPO
SCALE: 1" = 1000'	DRAWN BY: A.A.	REVISED: 00-00-00		

Kerr-McGee Oil and Gas Onshore LP

NBU #1021-32G

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH
SECTION 32, T10S, R21E, S.L.B.&M.

PHOTO: VIEW FROM TIE-IN POINT **CAMERA ANGLE:SOU THERLY**

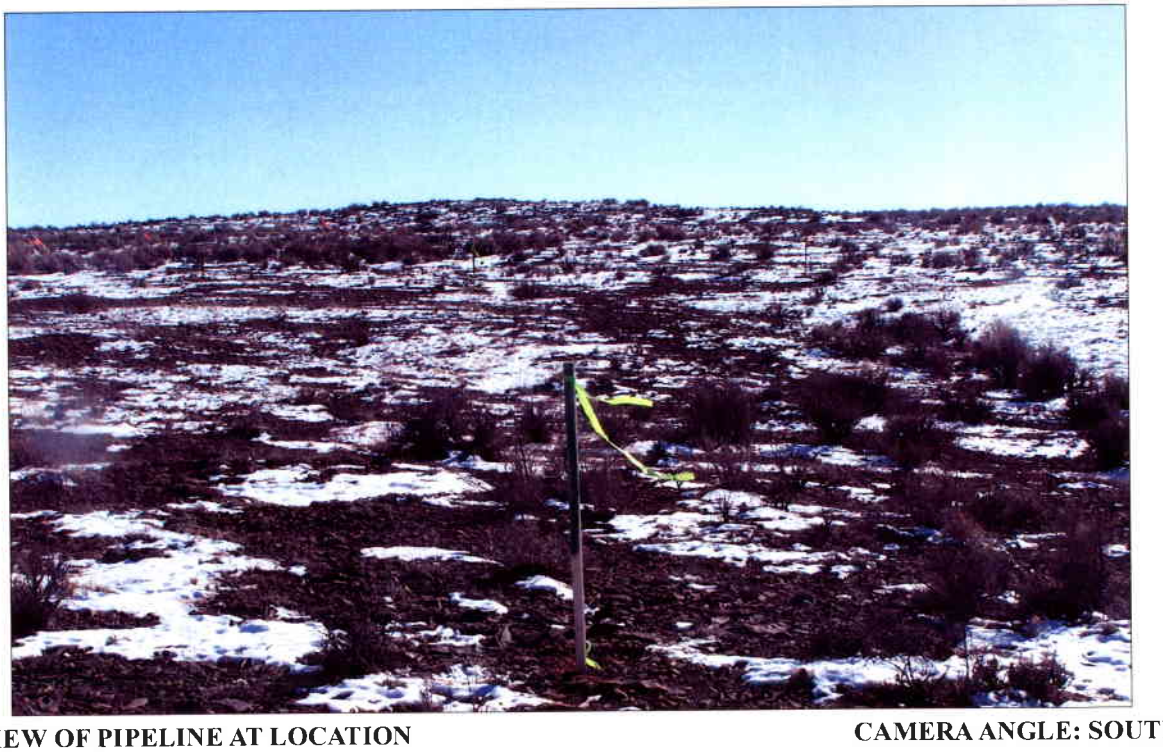


PHOTO: VIEW OF PIPELINE AT LOCATION **CAMERA ANGLE: SOUTHERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

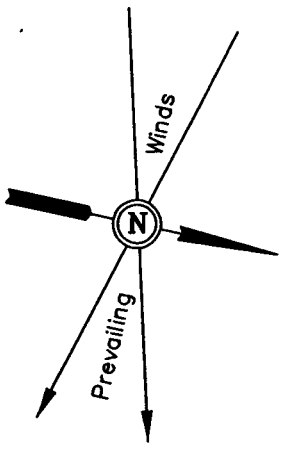
PIPELINE PHOTOS	12 MONTH	14 DAY	06 YEAR	PHOTO
TAKEN BY: L.K.	DRAWN BY: A.A.	REVISED: 00-00-00		

Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

LOCATION LAYOUT FOR

NBU #1021-32G
SECTION 32, T10S, R21E, S.L.B.&M.
2038' FNL 2065' FEL



SCALE: 1" = 50'
DATE: 12-12-06
Drawn By: S.L.

NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.

Proposed Access Road

C-3.5'
El. 45.4'

C-1.3'
El. 43.2'

F-4.8'
El. 37.1'

Sta. 3+50

Approx. Top of Cut Slope

Pit Topsoil

Existing Drainage

PIPE TUBS

CATWALK

PIPE RACKS

FLARE PIT

C-4.6'
El. 46.5'

El. 48.7'
C-16.8'
(btm. pit)

Blooie Line

C-2.1'
El. 44.0'

RIG

Sta. 1+50

Approx. Toe of Fill Slope

MUD TANKS

DOG HOUSE

TOILET

F-3.0'
El. 38.9'

C-4.4'
El. 46.3'

TRAILER

LIGHT PLANT

BOILER

COMPRESSOR

PUMP HOUSE

WATER TANK

BOOSTER

RESERVE PITS
(10' Deep)

Total Pit Capacity
W/2' of Freeboard
= 15,490 Bbls. ±
Total Pit Volume
= 4,280 Cu. Yds.

Reserve Pit Backfill & Spoils Stockpile

15' WIDE BENCH

1 1/2:1 Slope

Topsoil Stockpile

TRASH

Sta. 0+50

El. 43.7'
C-11.8'
(btm. pit)

F-2.1'
El. 39.8'

PROPANE STORAGE

Sta. 0+00

F-2.6'
El. 39.3'

F-2.7'
El. 39.2'

F-3.4'
El. 38.5'

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH

NOTES:

Elev. Ungraded Ground At Loc. Stake = 5344.0'

FINISHED GRADE ELEV. AT LOC. STAKE = 5341.9'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

Kerr-McGee Oil & Gas Onshore LP

FIGURE #2

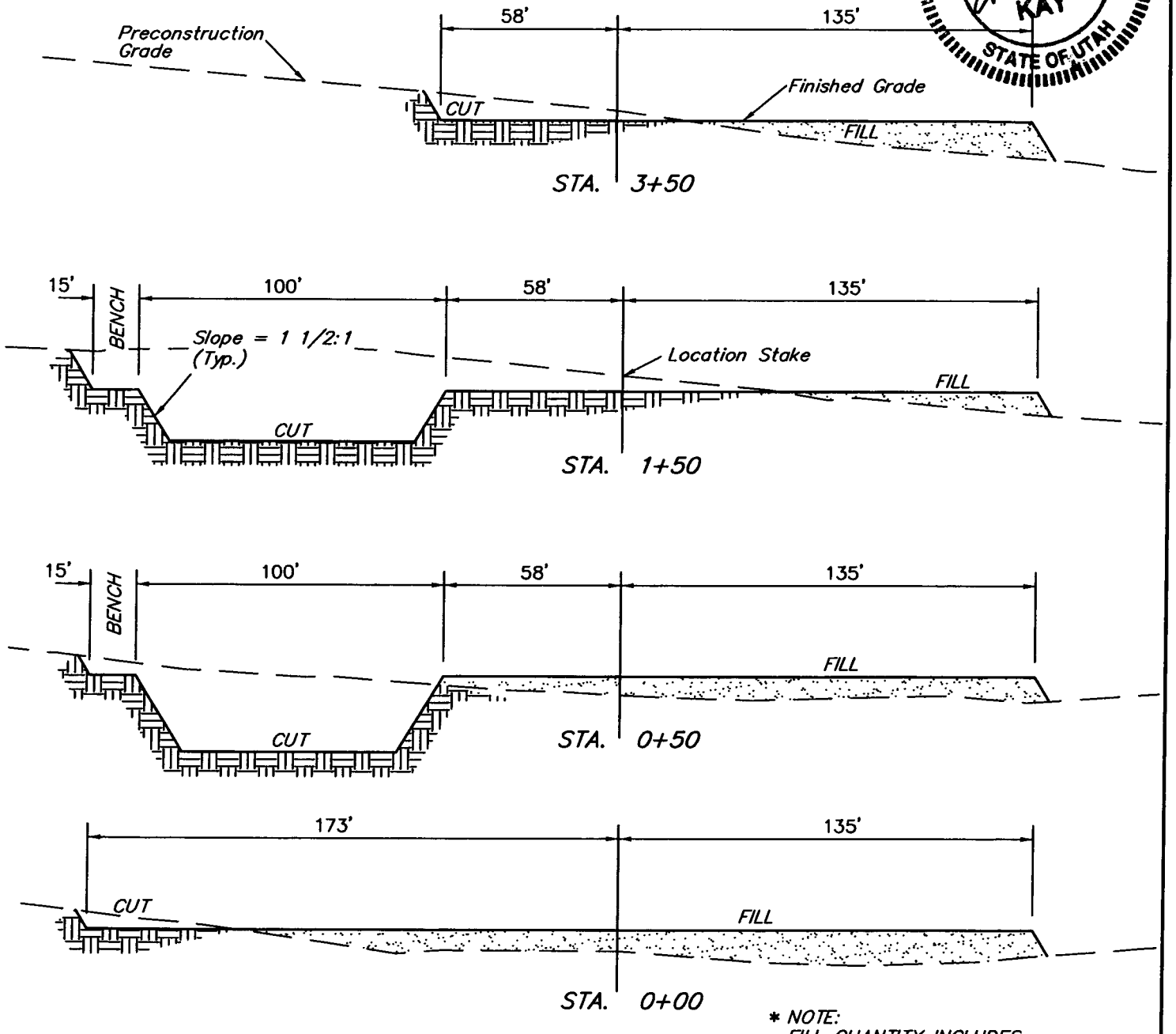
TYPICAL CROSS SECTIONS FOR

NBU #1021-32G
SECTION 32, T10S, R21E, S.L.B.&M.
2038' FNL 2065' FEL

1" = 20'
X-Section Scale
1" = 50'

DATE: 12-12-06
Drawn By: S.L.

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH



* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT
(6") Topsoil Stripping = 1,830 Cu. Yds.
Remaining Location = 7,100 Cu. Yds.

TOTAL CUT = 8,930 CU.YDS.
FILL = 4,960 CU.YDS.

EXCESS MATERIAL = 3,970 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 3,970 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation) = 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/16/2007

API NO. ASSIGNED: 43-047-39136

WELL NAME: NBU 1021-32G

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 435-781-7024

CONTACT: SHEILA UPCHEGO

PROPOSED LOCATION:

SWNE 32 100S 210E

SURFACE: 2038 FNL 2065 FEL

BOTTOM: 2038 FNL 2065 FEL

COUNTY: UINTAH

LATITUDE: 39.90575 LONGITUDE: -109.5726

UTM SURF EASTINGS: 622013 NORTHINGS: 4418062

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DKD	4/24/07
Geology		
Surface		

LEASE TYPE: 3 - State

LEASE NUMBER: ML-21577

SURFACE OWNER: 3 - State

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[] Ind[] Sta[] Fee[]
(No. 22013542)

NA Potash (Y/N)

Y Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. 43-8496)

NA RDCC Review (Y/N)
(Date:)

NA Fee Surf Agreement (Y/N)

NA Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: NATURAL BUTTES

___ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

___ R649-3-3. Exception

✓ Drilling Unit

Board Cause No: 173-14

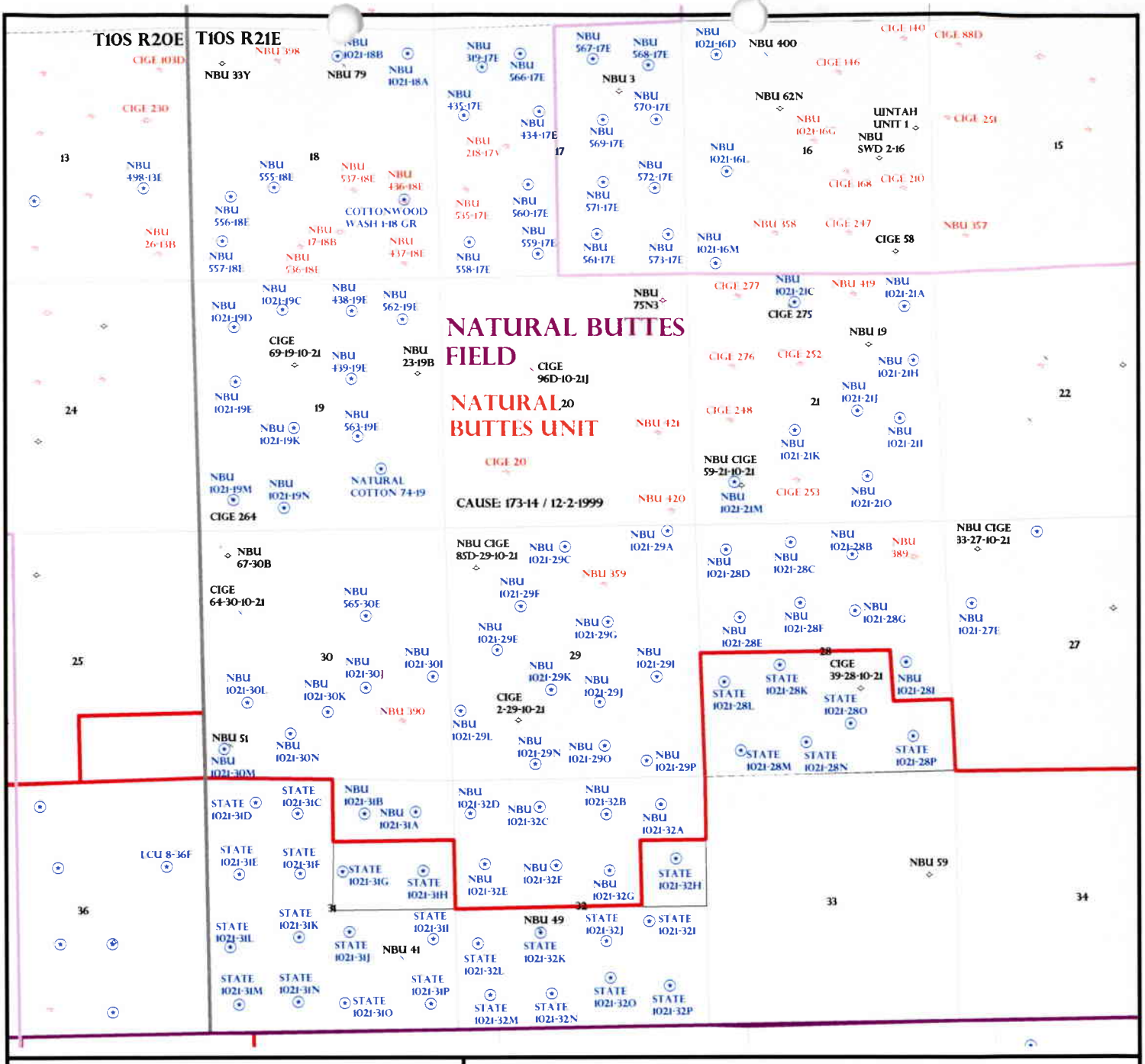
Eff Date: 12-2-99

Siting: 460' fr Unit & Lease Common Tract

___ R649-3-11. Directional Drill

COMMENTS: Needs Onsite (04-04-07)

STIPULATIONS: 1- STATEMENT OF BASIS
2- OIL SHALE
3- SURFACE Csg Cmt Stip



OPERATOR: KERR MCGEE O&G (N9550)

SEC: 16,28,29,31,32 T.10S R. 21E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

Utah Oil Gas and Mining

N
W E
S

PREPARED BY: DIANA MASON
DATE: 23-MARCH-2007

Application for Permit to Drill
Statement of Basis

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
336	43-047-39136-00-00		GW	S	No

Operator KERR-MCGEE OIL & GAS ONSHORE, LP **Surface Owner-APD**
Well Name NBU 1021-32G **Unit**
Field UNDESIGNATED **Type of Work**
Location SWNE 32 10S 21E S 2038 FNL 2065 FEL GPS Coord (UTM) 622013E 4418062N

Geologic Statement of Basis

Kerr McGee proposes to set 1,800' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 4,300'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 32. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production casing cement should be brought up above the base of the moderately saline ground water to isolate it from fresher waters uphole.

Brad Hill — 4/16/2007
APD Evaluator — **Date / Time**

Surface Statement of Basis

The general area is within the Love area of the upper Cottonwood Wash Drainage. The area is characterized by rolling hills and benches, which are frequently intersected by somewhat gentle draws, which flow into Cottonwood Wash. The draws are occasionally rimed with steep side hills, which have exposed sand stone bedrock cliffs along the rims. Cottonwood Wash is an ephemeral drainage, which drains northerly approximately 12 miles to the White River. No seeps, springs or streams exist in the area.

This location is approximately 18 miles southeast of Ouray, Utah and is accessed by the Seep Ridge Road then by existing or planned oil field development roads to within 0.1 miles of the proposed site. New construction will be required from this point.

The proposed location is west and out of the bottom of Cottonwood Wash located on a flat bench. Terrain is slightly rolling with little sideslope. One shallow draw begins within the location and will be covered with fill. No diversions are needed.

Both the surface and minerals are owned by SITLA. Jim Davis represented SITLA at the pre-site investigation. Mr. Davis had no concerns pertaining to this location. The selected location appears to be the best site for drilling and operating a well in the immediate area.

Floyd Bartlett — 4/4/2007
Onsite Evaluator — **Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator KERR-MCGEE OIL & GAS ONSHORE, LP
Well Name NBU 1021-32G
API Number 43-047-39136-0 **APD No** 336 **Field/Unit** UNDESIGNATED
Location: 1/4,1/4 SWNE **Sec** 32 **Tw** 10S **Rng** 21E 2038 FNL 2065 FEL
GPS Coord (UTM) 622014 4418061 **Surface Owner**

Participants

Floyd Bartlett (DOGM), Jim Davis (SITLA), Carroll Estes, Tony Keznic, and Clay Einerson (Kerr McGee), David Kay (Uintah Engineering and Land Surveying), and Ben Williams (UDWR)

Regional/Local Setting & Topography

The general area is within the Love area of the upper Cottonwood Wash Drainage. The area is characterized by rolling hills and benches, which are frequently intersected by somewhat gentle draws, which flow into Cottonwood Wash. The draws are occasionally rimed with steep side hills, which have exposed sand stone bedrock cliffs along the rims. Cottonwood Wash is an ephemeral drainage, which drains northerly approximately 12 miles to the White River. No seeps, springs or streams exist in the area.

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The proposed location is west and out of the bottom of Cottonwood Wash located on a flat bench. Terrain is slightly rolling with little sideslope. One shallow draw begins within the location and will be covered with fill. No diversions are needed.

Both the surface and minerals are owned by SITLA.

Surface Use Plan

Current Surface Use
Grazing
Recreational
Wildlfe Habitat

New Road Miles	Well Pad		Src Const Material	Surface Formation
0.1	**Width** 308	**Length** 350	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

Vegetation is a mixed shrub type. A sparse stand of big sagebrush exists. Shadscale, lomatium, curly mesquite, prickly pear, cheatgrass and a few spring annuals are also present.

Antelope, cattle, rabbits, coyotes, and small mammals, birds and raptors.

Soil Type and Characteristics

Moderately deep sandy loam with some surface rock.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required N

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? Y **Paleo Potental Observed?** N **Cultural Survey Run?** N **Cultural Resources?**

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	300 to 1320	10
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	<10	0
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0
	Final Score	25 1 **Sensitivity Level**

Characteristics / Requirements

The proposed reserve pit is 100' x 150' x 10' deep located in a cut on the southeast corner of the location. A 20 mil liner with a felt sub-liner is planned by Kerr McGee.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

Other Observations / Comments

Ben Williams representing the UDWR stated the area is classified as yearlong critical habitat for antelope. He stated that the lack of water not forage is the limiting factor affecting the herd in the area. He recommended no restrictions for antelope. No other wildlife is expected to be significantly affected. He gave Jim Davis of SITLA and Carroll Estes of Kerr McGee a copy of his wildlife evaluation and a UDWR recommended seed mix to be used when re-vegetating the location.

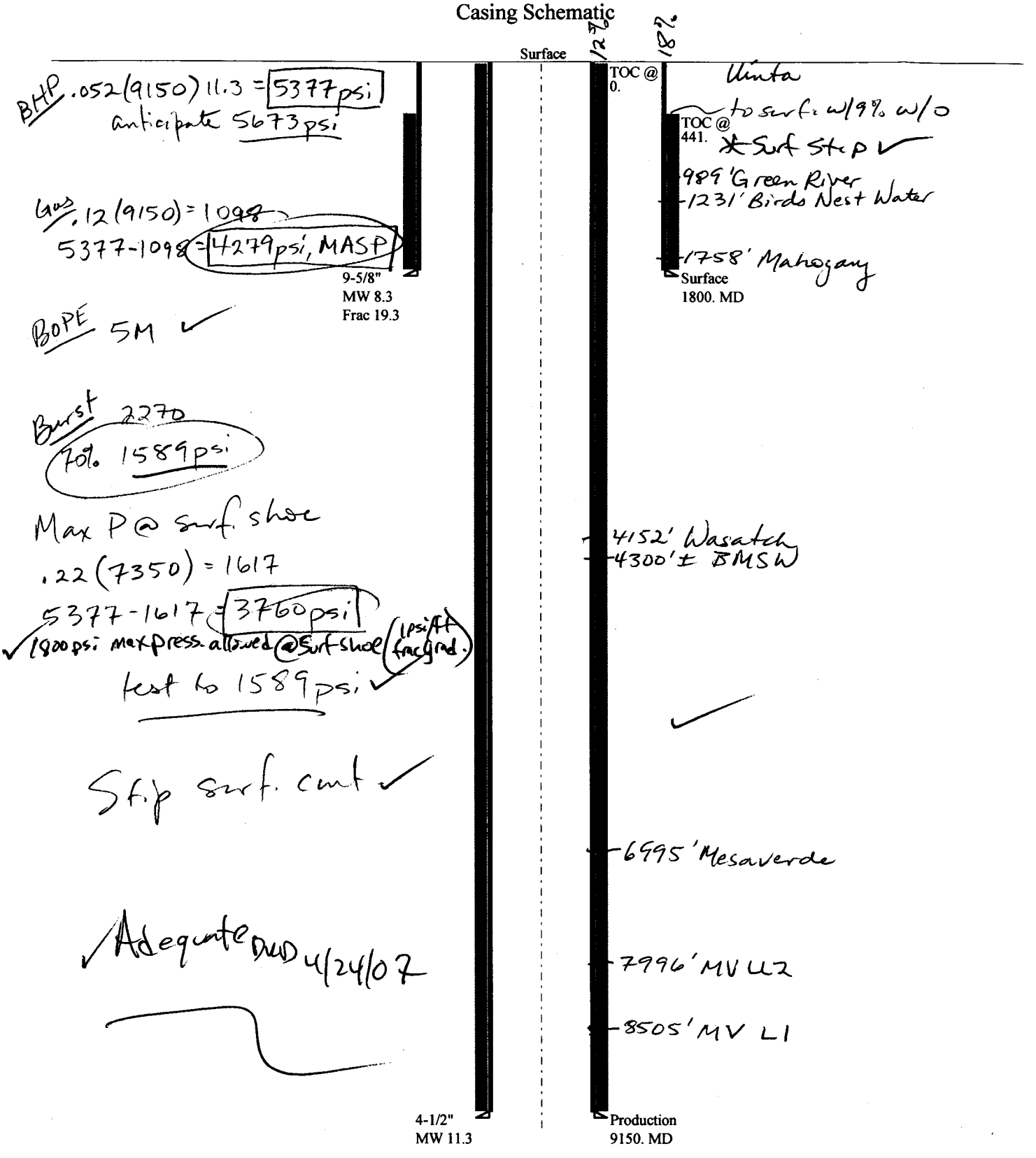
ATV's were used to access the site.

Floyd Bartlett — **Evaluator**

4/4/2007 — **Date / Time**

2007-04 Kerr McGee NBU 1021-32G

Casing Schematic



Well name:	**2007-04 Kerr McGee NBU 1021-32G**
Operator:	**Kerr McGee Oil & Gas Onshore L.P.**
String type:	Surface
Project ID:	43-047-39136
Location:	Uintah County, Utah

Design parameters:

Collapse
Mud weight: 8.300 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 1,584 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 1,800 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 1,581 ft

Environment:
H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 100 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,400 ft

Cement top: 441 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 9,150 ft
Next mud weight: 11.300 ppg
Next setting BHP: 5,371 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 1,800 ft
Injection pressure: 1,800 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	1800	9.625	32.30	H-40	ST&C	1800	1800	8.876	795.3

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	776	1370	1.765	1800	2270	1.26	51	254	4.98 J

Prepared by: Helen Sadik-Macdonald, Div of Oil,Gas & Minerals
Phone: (801) 538-5357
FAX: (801) 359-3940
Date: April 19,2007
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 1800 ft, a mud weight of 8.3 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**2007-04 Kerr McGee NBU 1021-32G**
Operator:	**Kerr McGee Oil & Gas Onshore L.P.**
String type:	Production
Project ID:	43-047-39136
Location:	Uintah County, Utah

Design parameters:

Collapse
Mud weight: 11.300 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 3,358 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 5,371 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 7,604 ft

Environment:
H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 203 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: Surface

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	9150	4.5	11.60	I-80	LT&C	9150	9150	3.875	798.5

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	5371	6360	1.184	5371	7780	1.45	88	212	2.40 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: (801) 538-5357
FAX: (801) 359-3940
Date: April 19,2007
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 9150 ft, a mud weight of 11.3 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

March 27, 2007

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2007 Plan of Development Natural Buttes Unit Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2007 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION

(Proposed PZ Wasatch/MesaVerde)

43-047-39107 NBU 1021-13N Sec 13 T10S R21E 0948 FSL 1602 FWL
43-047-39108 NBU 1021-13H Sec 13 T10S R21E 2351 FNL 0515 FEL
43-047-39109 NBU 1021-16D Sec 16 T10S R21E 0666 FNL 0666 FWL
43-047-39106 NBU 1021-28I Sec 28 T10S R21E 2269 FSL 0930 FEL
43-047-39100 NBU 1021-28F Sec 28 T10S R21E 1767 FNL 2157 FWL
43-047-39101 NBU 1021-28E Sec 28 T10S R21E 2046 FNL 0856 FWL
43-047-39102 NBU 1021-28D Sec 28 T10S R21E 0604 FNL 0614 FWL
43-047-39103 NBU 1021-28C Sec 28 T10S R21E 0476 FNL 1997 FWL
43-047-39104 NBU 1021-28B Sec 28 T10S R21E 0767 FNL 1997 FEL
43-047-39110 NBU 1021-29P Sec 29 T10S R21E 0286 FSL 1236 FEL
43-047-39111 NBU 1021-31A Sec 31 T10S R21E 0744 FNL 0815 FEL
43-047-39116 NBU 1021-31B Sec 31 T10S R21E 0777 FNL 1911 FEL
43-047-39136 NBU 1021-32G Sec 32 T10S R21E 2038 FNL 2065 FEL
43-047-39137 NBU 1021-32D Sec 32 T10S R21E 0777 FNL 0355 FWL
43-047-39138 NBU 1021-32E Sec 32 T10S R21E 1858 FNL 0651 FWL
43-047-39139 NBU 1022-19P Sec 19 T10S R22E 0766 FSL 0298 FEL
43-047-39141 NBU 1022-24J Sec 24 T10S R22E 1928 FSL 1972 FEL
43-047-39140 NBU 1022-24P Sec 24 T10S R22E 1110 FSL 1054 FEL
43-047-39142 NBU 1022-25G Sec 25 T10S R22E 1761 FNL 1462 FEL
43-047-39033 NBU 1022-25H Sec 25 T10S R22E 2604 FNL 0825 FEL
43-047-39156 NBU 1022-24O Sec 24 T10S R22E 0645 FSL 2007 FEL
43-047-39157 NBU 1022-7I Sec 07 T10S R22E 2000 FSL 0948 FEL

Our records indicate the NBU 1021-28I and the NBU 1022-25H are closer than 460 feet from the Natural Buttes Unit boundary (approximately 390 and 36 feet respectively).

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File – Natural Buttes Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:3-27-07

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: UNIT # 891008900A

1. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ OTHER _____

8. WELL NAME and NUMBER: NBU 1021-32G

2. NAME OF OPERATOR: KERR McGEE OIL AND GAS ONSHORE LP

9. API NUMBER: 43-047-39136

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST VERNAL UT 84078

PHONE NUMBER: (435) 781-7003

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2038' FNL 2065' FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 32 10S 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: _____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☑ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: _____	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER: _____
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

An onsite was conducted on 4/4/07 with a Division of Oil, Gas and Mining Representative and a SITLA Representative. It was decided to change the proposed 4" pipeline approximately 653' +/- to a 4" pipeline approximately 2,500' +/- and a 6" pipeline approximately 1,950' +/-.

Please refer to the Topo D

COPY SENT TO OPERATOR
Date: 5/21/07
Initials: CHD

NAME (PLEASE PRINT) RAMEY HOOPES TITLE LAND SPECIALIST I

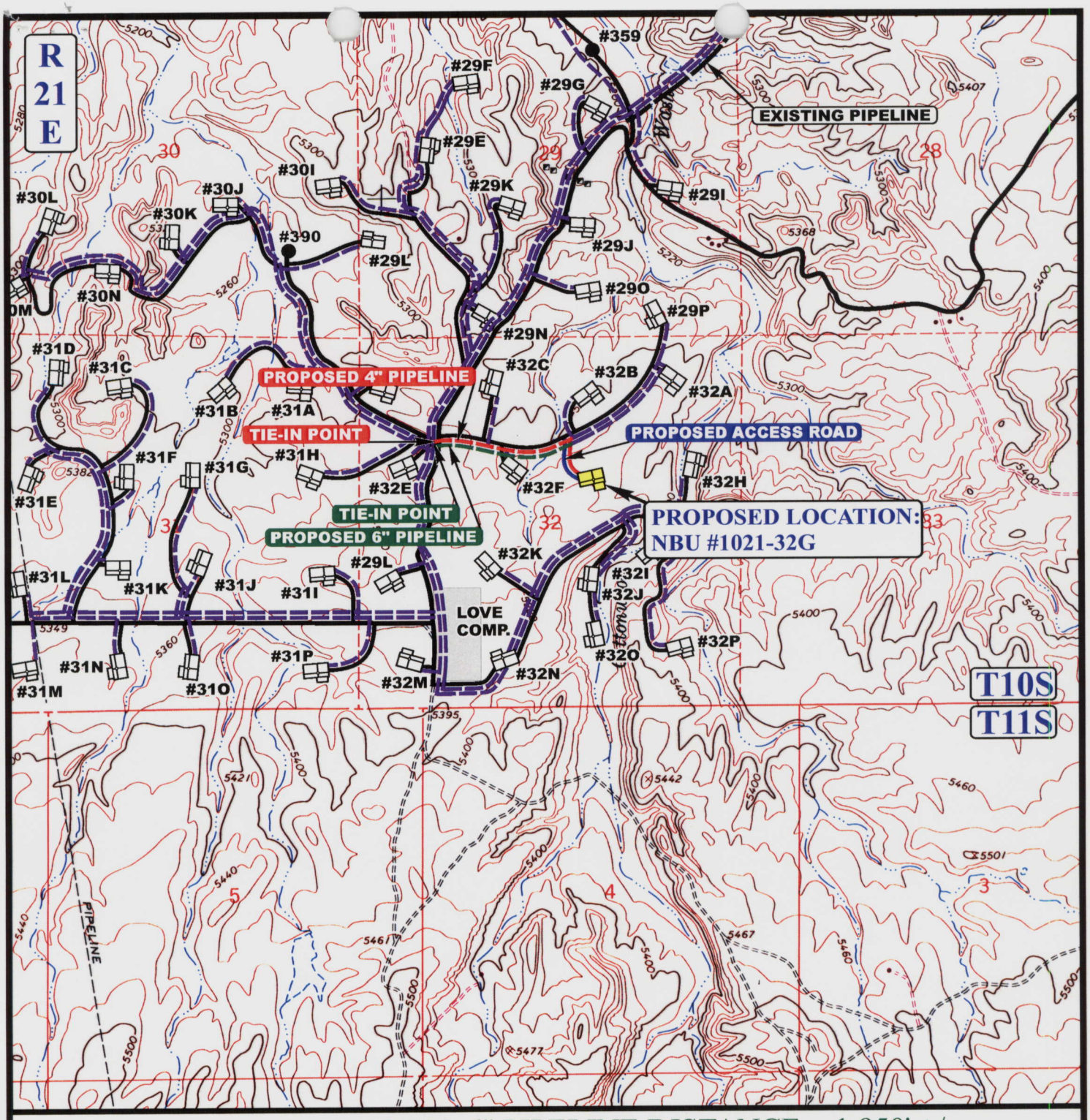
SIGNATURE Ramey Hoopes DATE 4/24/2007

(This space for State use only)

Accepted by the
Utah Division of
Oil, Gas and Mining
For Record Only

MAY 01 2007

(5/2000) (See Instructions on Reverse Side)



APPROXIMATE TOTAL 6" PIPELINE DISTANCE = 1,950' +/-

APPROXIMATE TOTAL 4" PIPELINE DISTANCE = 2,500' +/-

LEGEND:

PROPOSED ACCESS ROAD

EXISTING PIPELINE

PROPOSED PIPELINE

PROPOSED PIPELINE (SERVICING OTHER WELLS)

N

Kerr-McGee Oil & Gas Onshore LP

NBU #1021-32G
SECTION 32, T10S, R21E, S.L.B.&M.
2038' FNL 2065' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	12 MONTH	14 DAY	06 YEAR	D TOPO
SCALE: 1" =2000'	DRAWN BY: A.A.	REVISED: 04-19-07C.P.		

From: Ed Bonner
To: Mason, Diana
Date: 6/22/2007 10:23 AM
Subject: Well Clearance

CC: Davis, Jim; Garrison, LaVonne; Hill, Brad; Hunt, Gil

The following wells have been given cultural resources clearance by the Trust Lands Cultural Resources Group:

EOG Resources, Inc
- Chapita Wells Unit 1330-32 (API 43 047 39293)
- Chapita Wells Unit 1326-32 (API 43 047 39294)
- Chapita Wells Unit 1327-32 (API 43 047 39295)
- Chapita Wells Unit 1325-32 (API 43 047 39296)
- Chapita Wells Unit 1331-32 (API 43 047 39300)
- Chapita Wells Unit 1328-32 (API 43 047 39301)

Kerr McGee Oil & Gas Onshore LP
- NBU 1021-19M (API 43 047 38150)
- NBU 1021-32A (API 43 047 39026)
- NBU 1021-32B (API 43 047 39027)
- NBU 1021-32C (API 43 047 39028)
- NBU 1021-32F (API 43 047 39029)
- NBU 1021-32P (API 43 047 39127)
- NBU 1021-32O (API 43 047 39128)
- NBU 1021-32N (API 43 047 39129)
- NBU 1021-32M (API 43 047 39130)
- NBU 1021-32L (API 43 047 39131)
- NBU 1021-32K (API 43 047 39132)
- NBU 1021-32J (API 43 047 39133)
- NBU 1021-32I (API 43 047 39134)
- NBU 1021-32H (API 43 047 39135)
- NBU 1021-32G (API 43 047 39136)
- NBU 1021-32D (API 43 047 39137)
- NBU 1021-32E (API 43 047 39138)

Parallel Petroleum Corporation
- Trail Creek Anticline 1-2-6-25 (API 43 047 38324)

QEP Uinta Basin Inc
- GB 7SG-36-8-21 (API 43 047 38765)

If you have any questions regarding this matter please give me a call.

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

June 25, 2007

Kerr-McGee Oil & Gas Onshore, LP
1368 South 1200 East
Vernal, UT 84078

Re: Natural Buttes Unit 1021 32G Well, 2038' FNL, 2065' FEL, SW NE, Sec. 32, T. 10 South, R. 21 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39136.

Sincerely,

Gil Hunt
Associate Director

er
Enclosures

cc: Uintah County Assessor
Bureau of Land Management Vernal Office
SITLA

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • www.ogm.utah.gov

UTAH DNR OIL, GAS & MINING

Operator: Kerr-McGee Oil & Gas Onshore, LP

Well Name & Number Natural Buttes Unit 1021 32G

API Number: 43-047-39136

Lease: ML 21577

Location: SW NE **Sec.** 32 **T.** 10 South **R.** 21 East

Conditions of Approval

1. **General**

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**

   The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

   - 24 hours prior to cementing or testing casing – contact Dan Jarvis
   - 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
   - 24 hours prior to spudding the well – contact Carol Daniels
   - Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
   - Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

   The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

   - Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
   - Any changes to the approved drilling plan – contact Dustin Doucet

   The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

   - Dan Jarvis at: (801) 538-5338 office (801) 942-0873 home
   - Carol Daniels at: (801) 538-5284 office
   - Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

3. **Reporting Requirements**

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

7. Surface casing shall be cemented to the surface.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:	ML-21577
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	NA
7. UNIT or CA AGREEMENT NAME:	Natural Buttes Unit
1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER	8. WELL NAME and NUMBER: NBU 1021-32G
2. NAME OF OPERATOR: Kerr-McGee Oil & Gas Onshore, LP	9. API NUMBER: 4304739136
3. ADDRESS OF OPERATOR: PO Box 173779 CITY Denver STATE CO ZIP 80217-3779 PHONE NUMBER: (720) 929-6171	10. FIELD AND POOL, OR WILDCAT: Natural Buttes Field
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2038 FNL & 2065 FEL	COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 32 10S 21E	STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: _____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
_____	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: APD Extension
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr McGee Oil and Gas Onshore, LP respectfully request a one year extension for NBU 1021-32G, in order to complete drilling operations. The Utah Division of Oil, Gas, and Mining initially approved this APD on 6/25/2007.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 07-08-08

By: [signature]

COPY SENT TO OPERATOR
Date: 7.9.2008
Initials: KS

NAME (PLEASE PRINT) Victoria Marques TITLE Regulatory Intern

SIGNATURE Victoria Marques DATE 6/23/2008

(This space for State use only)

RECEIVED
JUN 27 2008
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

[redacted]

Application for Permit to Drill
Request for Permit Extension
Validation
(this form should accompany the Sundry Notice requesting permit extension)

API: 4304739136
Well Name: NBU 1021-32G
Location: SWNE 2038 FNL & 2065 FEL Sec. 32 T 10S R 21E
Company Permit Issued to: Kerr McGee Oil and Gas Onshore, LP
Date Original Permit Issued: 6/25/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes☐ No☑

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes☐ No☑

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes☐ No☑

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes☐ No☑

Has the approved source of water for drilling changed? Yes☐ No☑

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes☐ No☑

Is bonding still in place, which covers this proposed well? Yes☑ No☐

Victoria Marques
Signature

6/23/2008
Date

Title: Regulatory Intern

Representing: Kerr McGee Oil and Gas Onshore, LP

RECEIVED
JUN 27 2008
DIV. OF OIL, GAS & MINING

API Well No: 43047391360000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1021-32G

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047391360000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2038 FNL 2065 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 7/3/2009	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.

Approved by the Utah Division of Oil, Gas and Mining

Date: June 30, 2009

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst
SIGNATURE N/A		**DATE** 6/30/2009

RECEIVED June 30, 2009

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047391360000

API: 43047391360000
Well Name: NBU 1021-32G
Location: 2038 FNL 2065 FEL QTR SWNE SEC 32 TWNP 100S RNG 210E MER S
Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.
Date Original Permit Issued: 6/25/2007

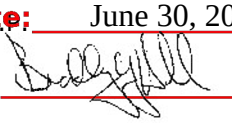
The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

Approved by the Utah Division of Oil, Gas and Mining

Signature: Danielle Piernot **Date:** 6/30/2009
Title: Regulatory Analyst **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date: June 30, 2009

By: 

RECEIVED June 30, 2009

API Well No: 43047391360000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1021-32G

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047391360000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2038 FNL 2065 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 1/28/2010	☐ ACIDIZE	✓ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore LP (Kerr-McGee) respectfully requests to change the surface casing for this well due to revised drilling practices. The surface casing depth is changing FROM: 1,800' TO: 1,900'. Additionally, the surface casing size is changing FROM: 9-5/8" TO: 8-5/8". Please see the attached drilling program for additional details. All other information remains the same. Please contact the undersigned with any questions and/or comments. Thank you.

Approved by the Utah Division of Oil, Gas and Mining

Date: February 02, 2010

By:

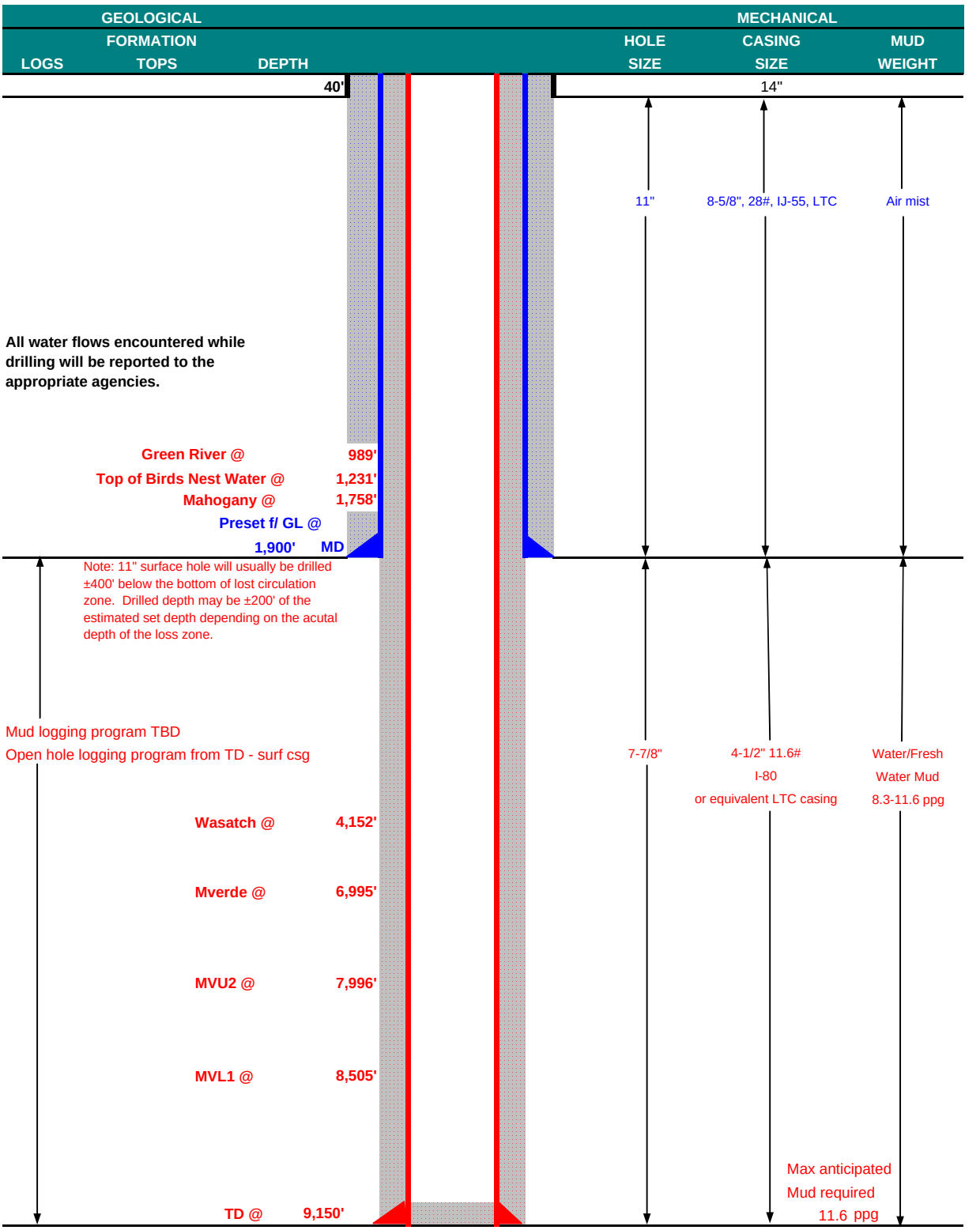
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst
SIGNATURE N/A		**DATE** 1/26/2010

RECEIVED January 26, 2010

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP		DATE	January 26, 2010	
WELL NAME	**NBU 1021-32G**		TD	9,150' MD/TVD	
FIELD	Natural Buttes	COUNTY Uintah	STATE Utah	FINISHED ELEVATION	5,342'
SURFACE LOCATION	SW/4 NE/4 2,038' FNL 2,065' FEL	Sec 32	T 10S	R 21E	BHL Straight Hole
	Latitude: 39.905708	Longitude: -109.572611		NAD 27	
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: UDOGM (MINERALS), SITLA (SURFACE), UDOGM, Tri-County Health Dept.				



KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL			WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'								
								3,390	1,880	348,000
SURFACE	8-5/8"	0	to	1900	28.00	IJ-55	LTC	0.97	2.11	6.48
								7,780	6,350	201,000
PRODUCTION	4-1/2"	0	to	9150	11.60	I-80	LTC	2.22	1.15	2.17

*Burst on suface casing is controlled by fracture gradient as shoe with gas gradient above. D.F. = 2.83

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 11.6 ppg) 0.22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 3,403 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD

(Burst Assumptions: TD = 11.6 ppg) 0.59 psi/ft = bottomhole gradient

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MABHP 5,416 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ .25 pps flocele				
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt	40		15.60	1.18
			+ 2% CaCl + .25 pps flocele				
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE			**NOTE: If well will circulate water to surface, option 2 will be utilized**				
Option 2	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite	140	35%	11.00	3.82
			+.25 pps Flocele + 3% salt BWOC				
	TAIL	500	Premium cmt + 2% CaCl	150	35%	15.60	1.18
			+ .25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,650'	Premium Lite II + 3% KCl + 0.25 pps	320	60%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	5,500'	50/50 Poz/G + 10% salt + 2% gel	1,540	60%	14.30	1.31
			+ 0.1% R-3				

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utililzed.

DRILLING ENGINEER: _____ **DATE:** _____

John Huycke / Emile Goodwin

DRILLING SUPERINTENDENT: _____ **DATE:** _____

John Merkel / LoyalYoung

API Well No: 43047391360000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1021-32G

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047391360000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2038 FNL 2065 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
✓ SPUD REPORT Date of Spud: 3/2/2010	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX. SPUD WELL LOCATION ON 3/2/2010 AT 8:30 HRS.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
March 02, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 3/2/2010

RECEIVED March 02, 2010

API Well No: 43047391360000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1021-32G

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047391360000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2038 FNL 2065 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 4/9/2010	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PROPETRO AIR RIG ON 4/7/2010. DRILLED 11" SURFACE HOLE TO 1854'. RAN 8-5/8" 28# J55 SURFACE CSG. PUMP 600 BBLS OF H20 , PUMP 20 BBLS OF GEL WATER. LEAD CMT W/120 SX CLASS G HI FILL CMT @ 11.0 PPG, 3.82 YD. TAILED CMT W/200 SX CLASS G PREM LITE @ 15.8 PPG, 1.15 YD. DROP PLUG ON FLY AND DISPLACE W/110 BBLS OF 8.3# H20 @ 5 BBLS/MIN. LAND PLUG 1000 PSI AND CHECK FLOAT. FLOAT HELD. TOP OUT W/60 SX CLASS G PREM LITE @ 15.8 PPG, 1.15 YD CEMENT DOWN 1", 2 BBLS OF CEMENT TO SURFACE. CEMENT TO SUFACE AND STAYED. WORT.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
April 13, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 4/13/2010

RECEIVED April 13, 2010

API Well No: 43047391360000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1021-32G

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047391360000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2038 FNL 2065 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 4/23/2010	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

FINISHED DRILLING FROM 1854' TO 9236' ON 4/21/2010. RAN 4-1/2" 11.6# I-80 PRODUCTION CSG. PUMPED 40 BBL OF WATER SPACER. LEAD CMT W/413 SKS CLASS G PREM LITE @ l2.0 PPG, 2.30 YLD. TAILED CEMENT W/1402 SKS OF CLASS G 50/50 @ 14.3 PPG, 1.31 YLD. DIPLACED WITH 142.7 BBL OF CLAYTREAT H2O, 8 GL OF CLAYTREAT = 1GL OF MAGNACIDE. FINAL LIFT PSI 2720. PLUG BUMPED W/3250 PSI, 1.5 BBL WASHBACK. 32 BBL OF CEMENT TO SURFACE. RELEASED PIONEER 69 RIG ON 4/23/2010 AT 23:59 HRS.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
April 27, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 4/26/2010

RECEIVED April 26, 2010

API Well No: 43047391360000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1021-32G

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047391360000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2038 FNL 2065 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 5/15/2010	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON MAY 15, 2010 AT 9:40 A.M. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
May 18, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 5/17/2010

RECEIVED May 17, 2010

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-21577
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: UTU63047A
8. WELL NAME and NUMBER: NBU 1021-32G
9. API NUMBER: 4304739136
10 FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER
b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE, L.P.
3. ADDRESS OF OPERATOR: P.O.BOX 173779 CITY DENVER STATE CO ZIP 80217 PHONE NUMBER: (720) 929-6100
4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: SWNE 2038 FNL & 2065 FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW:
AT TOTAL DEPTH:
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 32 10S 21E S
12. COUNTY: UINTAH
13. STATE: UTAH

14. DATE SPUDDED: 3/2/2010
15. DATE T.D. REACHED: 4/21/2010
16. DATE COMPLETED: 5/15/2010 ABANDONED ☐ READY TO PRODUCE ☑
17. ELEVATIONS (DF, RKB, RT, GL): 5342 GL
18. TOTAL DEPTH: MD 9,236 TVD 9,232
19. PLUG BACK T.D.: MD 9,180 TVD 9,176
20. IF MULTIPLE COMPLETIONS, HOW MANY? *
21. DEPTH BRIDGE PLUG SET: MD TVD
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
CBL/GR - HDIL/ZDL/CN/GR
23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☑ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7		40		28			
11"	8 5/8 IJ-55	28#		1,816		380			
7 7/8"	4 1/2 I-80	11.6#		9,223		1815		110	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	8,681							

26. PRODUCING INTERVALS / **27. PERFORATION RECORD**

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) MESAVERDE	7,182	9,170			7,182 9,170	0.36	196	Open ☑ Squeezed ☐
(B) WSMVD								Open ☐ Squeezed ☐
(C)								Open ☐ Squeezed ☐
(D)								Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
7182 - 9170	PUMP 5512 BBLS SLICK H2O & 193,426# 30/50 SD

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: PROD

RECEIVED
JUN 22 2010
DIV. OF OIL, GAS & MINING

(5/2000)

(CONTINUED ON BACK)

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
5/15/2010	5/17/2010	24		20	1,339	480	FLOWING

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
20/64	900	1,650					20	1,339	480	PROD

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
GREEN RIVER	914				
BIRD'S NEST	1,184				
MAHOGANY	1,652				
WASATCH	4,161	7,051			
MESAVERDE	7,051	9,236	TD		

35. ADDITIONAL REMARKS (Include plugging procedure)

CHRONOLOGICAL WELL HISTORY AND FINAL SURVEY ATTACHED.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) ANDREW LYTLE TITLE REGULATORY ANALYST

SIGNATURE DATE 6/11/2010

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

US ROCKIES REGION

Operation Summary Report

Well: NBU 1021-32G	Spud Conductor: 3/2/2010	Spud Date: 4/8/2010	
Project: UTAH-UINTAH	Site: NBU 1021-32G		Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 3/16/2010		End Date: 4/23/2010
Active Datum: RKB @5,362.01ft (above Mean Sea Leve	UWI: NBU 1021-32G		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
4/7/2010	16:00 - 0:00	8.00	MIRU	01	A	P		MIRU ON THE NBU 1021-32G DRESS CONDUCTOR, INSTALL AIR BOWL AND BOWIE LINE, CLEAN UP LOCATION F/ BUCKET RIG, 17 MILE MOVE
4/8/2010	0:00 - 5:00	5.00	PRPSPD	01	B	P		RIG UP PUMP. PRIME PUMPS, P/U MOTOR .16 RPG 1.5 DEG. SN 8065, M/U 11" Q507F SN 7018945 1ST RUN,
	5:00 - 18:30	13.50	DRLSUR	02	A	P		DRILL 11" SURFACE HOLE F/40'- 950' (910' 67.5'/HR) PSI ON/ OFF 1200/900, UP/ DOWN/ ROT 60/42/58. SURVEY @ 950' 1.2 DEG
	18:30 - 0:00	5.50	MAINT	08	B	X		MAIN PUMP BOKE DOWN/ REPAIR PUMP
4/9/2010	0:00 - 7:30	7.50	DRLSUR	02	A	P		DRILL 11" SURFACE HOLE F/950'-1840' (890' 118'/HR) PSI ON/ OFF 1200/900, UP/ DOWN/ ROT 63/55/60 FINAL SURVEY @ 1840' 1.5 DEG.
	7:30 - 8:00	0.50	DRLSUR	05	A	P		CIRC/ COND HOLE FOR SURFACE CSG
	8:00 - 10:30	2.50	DRLSUR	06	A	P		LDDS, MUD MTR
	10:30 - 14:30	4.00	CSG	12	C	P		RUN 41 JTS OF 8-5/8", 28#, IJ-55 CSG W/ 8 RD LTC THREADS AND LAND FLOAT SHOE @ 1802' KB. BAFFLE PLATE RAN IN TOP OF SHOE JT LANDED @ 1764' KB. FILL CSG 600'.
	14:30 - 15:00	0.50	RDMO	01	F	P		RIG DOWN RIG MOVE OUT. RELEASE RIG @ 15:00
	15:00 - 17:00	2.00	CSG	12	E	P		TEST LINES TO 2000' PSI, PUMP 600 BBLS OF H20 , PUMP 20 BBLS OF GEL WATER. PUMP 120 SX (82 BBLS) OF 11#, 3.82 YD, 23 GAL SX HI FILL LEAD CEMENT. PUMP 200 SX (41 BBLS) OF 15.8#, 1.15 YD, 5 GAL/SK TAIL CEMENT, DROP PLUG ON FLY AND DISPLACE W/ 110 BBLS OF 8.3# H20, @ 5 BBLS/MIN. LAND PLUG 1000 PSI AND CHECK FLOAT. FLOAT HELD. PUMP 60 SX (17.4 BBLS) OF 4% CALC 15.8# 1.15 YD, 5 GAL/SK CEMENT DOWN 1" 2 BBLS OF CEMENT TO SURFACE. CEMENT TO SUFACE AND STAYED.
4/13/2010	21:00 - 0:00	3.00	RDMO	01	E	P		RDRT,PREPARE RIG F/ MOVE
4/14/2010	0:00 - 6:00	6.00	RDMO	01	E	P		RDRT,
	6:00 - 12:30	6.50	RDMO	01	A	P		Move Equip. to the NBU 1021-32G
	12:30 - 0:00	11.50	RDMO	01	B	P		RURT
4/15/2010	0:00 - 1:30	1.50	DRLPRO	01	B	P		R/U
	1:30 - 5:30	4.00	DRLPRO	14	A	P		NU the BOP and Manifold
	5:30 - 9:30	4.00	DRLPRO	15	A	P		Pressure test the Blind rams, pipe rams, lower kelly valve, upper kelly valve, safety valve, Inside BOP, HCl valve, Kill line valve, Manifold, Blind rams, to 250#/low and 5000#/high. Annular was tested to 250/low 2500/high. Surface pipe was tested to 1500 PSI for 30 min.
	9:30 - 12:00	2.50	DRLPRO	09	A	P		Slipped and cut 120' of drilling line.
	12:00 - 16:30	4.50	DRLPRO	06	A	P		Rigged up Kinsey. PU 1.5 bend motor, IBS, 1 monel, tool carrier,(Orientated the BHA) 1 monel,11 6.25 DC, HWDP. PU DP and TIH.
	16:30 - 18:00	1.50	DRLPRO	14	B	P		RD kimsey, Install the rotating rubberand drive bushings. do a pre-spud inspection.
	18:00 - 22:30	4.50	DRLPRO	02	F	P		Drilled Cement and FE. TOC @ 1620'. Drilled 1620' - 1854'
	22:30 - 0:00	1.50	DRLPRO	02	B	P		Drilled formation F/ 1854 - 2000'

US ROCKIES REGION

Operation Summary Report

Well: NBU 1021-32G	Spud Conductor: 3/2/2010	Spud Date: 4/8/2010
Project: UTAH-UINTAH	Site: NBU 1021-32G	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 3/16/2010	End Date: 4/23/2010
Active Datum: RKB @5,362.01ft (above Mean Sea Leve	UWI: NBU 1021-32G	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
4/16/2010	0:00 - 16:00	16.00	DRLPRO	02	B	P		DRILLING f/ 2000' - 3600' 16K WOB 50 RPM 442 GPM fresh water 100'/hr
	16:00 - 16:30	0.50	DRLPRO	07	A	P		Rig service
	16:30 - 0:00	7.50	DRLPRO	02	B	P		Drilling F/3600' - 4389' 16 - 18K WOB 50 RPM
4/17/2010	0:00 - 14:30	14.50	DRLPRO	02	B	P		Drilling From 4389' - 5874' W/ 18K WOB 50 RPM 3 - 5 flare
	14:30 - 15:00	0.50	DRLPRO	07	A	P		Rig Service
	15:00 - 0:00	9.00	DRLPRO	02	B	P		Drilling F/ 5874' - 6412' W/ 18 K WOB 50 RPM 6-8' flare
4/18/2010	0:00 - 12:00	12.00	DRLPRO	02	B	P		Drilling F/ 6412' - 7044' W/ 18K WOB and 50 RPM. Started mudding up around 6600' W/ light vis and slowly bringing the Wt. up to stabilize the hole
	12:00 - 12:30	0.50	DRLPRO	07	A	P		Rig service
	12:30 - 22:30	10.00	DRLPRO	02	B	P		Drilled F/ 7044' - 7424'.
	22:30 - 23:30	1.00	DRLPRO	10	B	P		Circulated and ran a survey @ 7353'
	23:30 - 0:00	0.50	DRLPRO	02	B	P		Drilled F/7424' - 7450'
4/19/2010	0:00 - 12:00	12.00	DRLPRO	02	B	P		DRILL F/ 7450" TO 7930' (480' @ 40' HR) WT 10.4,VIS 43, RPM 50,MMRPM70,WOB 20-22K, SPM 120, GPM 442, UP/SO/ROT 170-150-160, PUMP ON /OFF 1960/2120,DIFF 160-250
	12:00 - 13:30	1.50	DRLPRO	10	A	P		Circulated and ran SS survey @ 7859' 2 deg. @ 13 Azm.
	13:30 - 15:30	2.00	DRLPRO	02	B	P		DRILL F/ 7930' TO 8025' (95' @ 47.5' HR) WT 10.4,VIS 43, RPM 50,MMRPM70,WOB 20-22K, SPM 120, GPM 442, UP/SO/ROT 170-150-160, PUMP ON /OFF 1960/2120,DIFF 160-250
	15:30 - 16:00	0.50	DRLPRO	07	A	P		Daily rig service
	16:00 - 0:00	8.00	DRLPRO	02	B	P		DRILL F/ 8025 to 8350' (325' @ 40.6' HR) WT 10.9,VIS 45, RPM 50,MMRPM70,WOB 20-22K, SPM 120, GPM 442, UP/SO/ROT 178/150/172, PUMP ON /OFF 2000/2280,DIFF 200 - 300 PSI
4/20/2010	0:00 - 13:30	13.50	DRLPRO	02	B	P		DRILL F/ 8350' - 8752' (402' @ 29.7' HR) WT 11.2,VIS 45, RPM 50,MMRPM70,WOB 20-22K, SPM 120, GPM 442, UP/SO/ROT 210/150/175, PUMP ON /OFF 2085/2200,DIFF 115' - 300 PSI
	13:30 - 14:00	0.50	DRLPRO	07	A	P		Rig Service
	14:00 - 17:00	3.00	DRLPRO	02	B	P		DRILL F/8752' - 8833' (81' @ 27' HR) WT 11.4,VIS 45, RPM 50,MMRPM70,WOB 20-22K, SPM 120, GPM 442, UP/SO/ROT 210/150/175, PUMP ON /OFF 2120/2330,DIFF 220 PSI
	17:00 - 23:00	6.00	DRLPRO	06	A	P		Tripped F/ bit. LD the MWD tools,1monel DC and changed out the mud motor. TIH W/ BHA
	23:00 - 0:00	1.00	DRLPRO	08	A	Z		Working on the Whichita Brake
4/21/2010	0:00 - 1:00	1.00	DRLPRO	08	A	Z		RIG REPAIR/ WO THE BRAKE SYSTEM
	1:00 - 3:00	2.00	DRLPRO	06	A	P		TIH TO THE CSG SHOE AND BROKE CIRCULATION
	3:00 - 6:00	3.00	DRLPRO	08	A	Z		RIG REPAIR/ CHANGED OUT THE OIL AND CHAIN IN THE COMPOUND
	6:00 - 8:30	2.50	DRLPRO	06	A	P		TIH TO 7030 (BROKE CIRCULATION @ 5580') HIT A BRIDGE @ 7030
	8:30 - 10:00	1.50	DRLPRO	03	E	P		LD 2 JTS THEN WASHED AND REAMED THROUGH THE BRIDGE 6980' - 7050'
	10:00 - 11:00	1.00	DRLPRO	06	A	P		TIH TO BOTTOM
	11:00 - 11:30	0.50	DRLPRO	03	E	P		BROKE CIRCULATION AND WASHED 5' TO BOTTOM
	11:30 - 19:30	8.00	DRLPRO	02	B	P		DRILL F/8833' - 9236' (403' @ 50.3' HR) WT 11.7,VIS 45, RPM 50,MMRPM70,WOB 20K, SPM 120, GPM 442, UP/SO/ROT 185/150/175, PUMP ON /OFF 2100/2400,DIFF 300 PSI TD @ 19:30 4/21/2010

US ROCKIES REGION

Operation Summary Report

Well: NBU 1021-32G	Spud Conductor: 3/2/2010	Spud Date: 4/8/2010	
Project: UTAH-UINTAH	Site: NBU 1021-32G		Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 3/16/2010		End Date: 4/23/2010
Active Datum: RKB @5,362.01ft (above Mean Sea Leve	UWI: NBU 1021-32G		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	19:30 - 21:30	2.00	DRLPRO	05	C	P		CIRCULATED AND CONDITIONED THE MUD F/SHORT TRIP
	21:30 - 0:00	2.50	DRLPRO	06	E	P		SHORT TRIPPED 38 STANDS TO 6859'. WE HAD A BRIDGE @ 7030 ON THE PREVIOUS DAY.
4/22/2010	0:00 - 0:30	0.50	DRLPRO	03	E	P		WASHED 8' TO BOTTOM
	0:30 - 3:00	2.50	DRLPRO	05	C	P		CIRCULATED AND CONDITIONED THE HOLE F/ LOGS
	3:00 - 8:00	5.00	DRLPRO	06	B	P		TOH F/ LOGS
	8:00 - 15:30	7.50	DRLPRO	11	D	P		R/U BAKER ATLAS AND RAN TRIPLE COMBO/GAMMA/CALIPER. LOGGERS TD 9241'. WE HAD ONE TOOL FAILURE(INDUCTION) EST. LOST TIME 1 HR.
	15:30 - 20:30	5.00	DRLPRO	06	D	P		TIH TO LDDP AND THE BHA. BROKE CIRC. @ THE 8 5/8 SHOE AND 5200'. WE HAD A TIGHT SPOT @ 8870' - 8900'.
	20:30 - 23:00	2.50	DRLPRO	05	C	P		CIRC. AND COND. TO LDDP & DC
	23:00 - 0:00	1.00	DRLPRO	06	F	P		LDDP TO RUN CSG
4/23/2010	0:00 - 6:30	6.50	DRLPRO	06	D	P		LDDP AND BHA TO RUN PROD. CSG.
	6:30 - 7:00	0.50	DRLPRO	14	B	P		PULLED THE WEAR BUSHING
	7:00 - 8:00	1.00	DRLPRO	12	A	P		RU THE CSG CREW AND HELD PJSM
	8:00 - 14:30	6.50	DRLPRO	12	C	P		WE RAN 218 FULL JTS + 1 PUP FOR A TOTAL OF 219 JTS OF 4.5 /11.6# /I-80 /BTC FROM INVENTORY. 11 TOTAL JTS LEFT OVER INCLUDING PUPS. LANDED @ 9223.65'. SHOE/9222.2', FC/9178.5', MARKER JT/4113.7' - 4121.7'.ASSEMBLY AS FOLLOWS BOTTOM UP SHOE/1- JT 4.5 CSG /FC /120- JTS 4.5 CSG/1- 8' MARKER JT / 97-JTS 4.5 CSG /MANDREL ASSEMBLY.
	14:30 - 16:00	1.50	DRLPRO	05	D	P		CIRCLATED AND COND THE HOLE TO CEMENT NO FLARE @ BOTTOMS UP
	16:00 - 18:30	2.50	DRLPRO	12	E	P		HELD A SM. PRESSURE TESTED TO 4000 PSI. PUMPED 40 BBL. OF WATER SPACER/ LEAD CMT; 413 SKS PREM. LITE II, 12 PPG, 2.3 YLD, 12.7 GPS H2O, .05 PPS STATIC FREE + 0.8% BWOC R-3 + 0.25 PPS CELLOFLAKE + 5PPS KOL SEAL + 8% BWOC BENTONITE + 0.5% SODIUM METASILICATE / TAIL CEMENT: 1402 SKS OF 50/50 POZ CLASS G CEMENT, 14.3 PPG, 1.31 YLD, 5.9 GPS H2O, .05PPS STATIC FREE + 10% BWOW SODIUM CHLORIDE + .2% BWOC R-3 + 0.002 GPS FP-6L + 2% BWOC BENTONITE/ DIPLACED WITH 142.7 BBL. OF CLAYTREAT H2O, 8 GL OF CLAYTREAT = 1GL OF MAGNACIDE. FINAL LIFT PSI 2720 PSI. PLUG BUMPED W/ 3250 PSI. 1.5 BBL WASHBACK. PD @ 16:10 4/23/2010. 32 BBL. OF CEMENT TO SURFACE.
	18:30 - 19:00	0.50	DRLPRO	12	A	P		BACKED OF THE LANDING JT. AND FLUSHED THE BOP OUT W/ WATER
	19:00 - 23:59	4.98	DRLPRO	01	E	P		CLEANED THE PITS AND ND THE BOP RIG RELEASED @ 00:00 4/24/2010 TO THE NBU 1021-32B

US ROCKIES REGION

Operation Summary Report

Well: NBU 1021-32G	Spud Conductor: 3/2/2010	Spud Date: 4/8/2010	
Project: UTAH-UINTAH	Site: NBU 1021-32G		Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 3/16/2010		End Date: 4/23/2010
Active Datum: RKB @5,362.01ft (above Mean Sea Leve	UWI: NBU 1021-32G		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	23:59 - 0:00	0.02	DRLPRO					CONDUCTOR CASING: Cond. Depth set: 40' Cement sx used: SPUD DATE/TIME: 4/8/2010 5:00 SURFACE HOLE: Surface From depth:54 Surface To depth: 1,854 Total SURFACE hours: 27.00 Surface Casing size:8 5/8 # of casing joints ran: 41 Casing set MD:1,816.0 # sx of cement:120 Cement blend (ppg:)11# Cement yield (ft3/sk): 3.82 # of bbls to surface: 2 Describe cement issues: Describe hole issues: PRODUCTION: Rig Move/Skid start date/time: 4/14/2010 6:15 Rig Move/Skid finish date/time:4/14/2010 12:30 Total MOVE hours: 6.3 Prod Rig Spud date/time: 4/15/2010 18:00 Rig Release date/time: 4/23/2010 23:59 Total SPUD to RR hours: 198.0 Planned depth MD 9,216 Planned depth TVD 9,216 Actual MD: 9,236 Actual TVD: 9,232 Open Wells $: $731,764 AFE $: $524,176 Open wells $/ft:$79.23 PRODUCTION HOLE: Prod. From depth: 1,854 Prod. To depth:9,236 Total PROD hours: 118 Production Casing size: 4 1/2 # of casing joints ran: 219 Casing set MD:9,223.7 # sx of cement:1,814 Cement blend (ppg:)LEAD 12# / TAIL 14.3# Cement yield (ft3/sk): LEAD 2.3/ TAIL 1.31 Est. TOC (Lead & Tail) or 2 Stage : LEAD 18' / TAIL 3160' Describe cement issues: Describe hole issues: SLOUGHING SHALE REQIRED 12.2# AT TD TO CONTROL DIRECTIONAL INFO: KOP: Max angle: 2.70 Departure: MINUS 3.74 N/S 98.24 E/W Max dogleg MD: 0.60

US ROCKIES REGION

Operation Summary Report

Well: NBU 1021-32G	Spud Conductor: 3/2/2010	Spud Date: 4/8/2010
Project: UTAH-UINTAH	Site: NBU 1021-32G	Rig Name No: LEED 698/698
Event: COMPLETION	Start Date: 5/10/2010	End Date: 5/13/2010
Active Datum: RKB @5,362.01ft (above Mean Sea Leve	UWI: NBU 1021-32G	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
5/10/2010	7:00 - 7:15	0.25	COMP	48		P		JSA-SAFETY MEETING #1, DAY 1
	7:15 - 10:30	3.25	COMP	30	A	P		ROAD RIG FROM NBU 1021-1 O TO LOC, MIRU, N/D WH, N/U BOPS, R/U TBG EQUIP AND FLOOR,
	10:30 - 16:00	5.50	COMP	31	I	P		TALLY TBG ON TRAILER, P/U 3 7/8" BIT AND BIT SUB, TIH W/ 2 3/8" J-55 TBG, RIH 294.5 JTS TAG @ 9170',
	16:00 - 18:00	2.00	COMP	44	A	P		R/U POWER SWIVEL, WASH OUT AND DRILL OUT FROM 9170' TO 9185', CIRC WELL CLEAN, R/D POWER SWIVEL, P/O LAY DN 15 JTS ON TRAILER, SHUT WELL IN SDFN,
5/11/2010	7:00 - 7:15	0.25	COMP	48		P		JSA-SAFETY MEETING #2, DAY 2
	7:15 - 10:30	3.25	COMP	31	I	P		TOOH W/ TBG STANDING BACK IN DERRICK, N/D BOPS, N/U FRAC VALVE, PRESSURE TEST CSG AND FRAC VALVE TO 7000#, OK,
	10:30 - 15:00	4.50	COMP	37	B	P		(PERF STG #1) R/U CUTTER WIRELINE, RIH W/ 3 3/8" SCALLOP GUNS, PERF THE MESAVERDE @ 9168'- 9170', 9142' - 9146', 9132' - 9136', 4-SPF, USING 3 3/8" SCALLOP GUNS, 23 gm, 0.36 HOLE, 90* PHS, 40 HOLES, SHUT WELL IN, PREPARE TO FRAC IN AM, SDFN
5/12/2010	6:30 - 7:00	0.50	COMP	48		P		SAFETY MEETING W/ FRAC TECH, CUTTER WIRELINE AND RIG CREW

US ROCKIES REGION

Operation Summary Report

Well: NBU 1021-32G	Spud Conductor: 3/2/2010	Spud Date: 4/8/2010	
Project: UTAH-UINTAH	Site: NBU 1021-32G		Rig Name No: LEED 698/698
Event: COMPLETION	Start Date: 5/10/2010		End Date: 5/13/2010
Active Datum: RKB @5,362.01ft (above Mean Sea Leve	UWI: NBU 1021-32G		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation

	7:00 - 15:00	8.00	COMP	36	E	P		RIG UP FRAC TECH TO WELL, PRESSURE TEST SURFACE LINE TO 8000#,
								
								(STG #1) WHP = 0 #, BRK DN PERF @ 3865 # @ 6 B/M, INJ-RT = 49.8 B/M, INJ-P = 5936 #, ISIP = 3036 #, F.G. = 0.76 , CALC 63% PERF OPEN, PUMP 992 BBLS SLK WTR & 27151 # OTTAWA SAND, ISIP = 3110 #, F.G. = 0.77, NPI = 74 #, MP = 6380 #, MR = 53 B/M, AP = 5471 #, AR = 51.7 B/M,
								22151 # 30/50 SAND, 5000 # TLC SAND,
								COMMENT = 4-PUMPS, SHUT DN, GOT 5 PUMPS,
								
								(STG #2) RIH W/ BAKER 8K CBP AND PERF GUNS, SET CBP @ 8818 ', PERF THE MESAVERDE @ 8786' - 8788', 8770' - 8874', 8728' - 8730', 8710' - 8712 ', 4 -SPF, USING 3 3/8" SCALLOP GUNS, 23 gm, 0.36 HOLE, 90* PHS, 40 HOLES, WHP = 201 #,
								BRK DN PERF @ 4851 # @ 6 B/M, INJ-RT = 45.6 B/M, INJ-P = 5936 #, ISIP = 3064 #, F.G. = 0.78 , CALC 60% PERF OPEN, PUMP 720 BBLS SLK WTR & 24854 # OTTAWA SAND, ISIP = 2992 #, F.G. = 0.78 , NPI = - 72 #, MP = 6305 #, MR = 53 B/M, AP = 5600 #, AR = 51.1 B/M,
								19854 # 30/50 SAND, 5000 # TLC SAND,
								COMMENTS =
								
								(STG #3) RIH W/ BAKER 8K CBP AND PERF GUNS, SET CBP @ 8584 ', PERF THE MESAVERDE @ 8552' - 8554' 4-SPF, 8530' - 8532' 4-SPF, 8506' - 8508' 4-SPF, 8459' - 8461' 3-SPF, 8429' - 8431' 3-SPF, USING 3 3/8" SCALLOP GUNS, 23 gm, 0.36 HOLE, 90* PHS, 36 HOLES, WHP = 195 #,
								BRK DN PERF @ 5576 # @ 5 B/M, INJ-RT = 50 B/M, INJ-P = 5500 #, ISIP = 2975 #, F.G. = 0.78 , CALC 67% PERF OPEN, PUMP 2059 BBLS SLK WTR & 78272 # OTTAWA SAND, ISIP = 2915 #, F.G. = 0.78 , NPI = -60 #, MP = 6300 #, MR = 53.1 B/M, AP = 5321 #, AR = 52.7 B/M,
								73272 # 30/50 SAND, 5000 # TLC SAND,
								COMMENTS =
								
								(STG #4) RIH W/ BAKER 8K CBP AND PERF GUNS, SET CBP @ 7698 ', PERF THE MESAVERDE @ 7664' - 7668', 7645' - 7647', 7613' - 7615', 7582' - 7584', 4-SPF, USING 3 3/8" SCALLOP GUNS, 23 gm, 0.36 HOLE, 90* PHS, 40 HOLES, WHP = 142 #,
								BRK DN PERF @ 5576 # @ 6 B/M, INJ-RT = 52.4 B/M, INJ-P = 5440 #, ISIP = 2050 #, F.G. = 0.70 , CALC 60% PERF OPEN, PUMP 858 BBLS SLK WTR & 31333 # OTTAWA SAND, ISIP = 2656 #, F.G. = 0.78 , NPI = 606 #, MP = 6150 #, MR = 54 B/M, AP = 4918 #, AR = 53 B/M,
								26333 # 30/50 SAND, 5000 # TLC SAND,
								COMMENTS =
								
								(STG #5) RIH W/ BAKER 8K CBP AND PERF GUNS, SET CBP @ 7422 ', PERF THE MESAVERDE @ 7388' - 7392', 7350' - 7354', 7182' - 7184', 4-SPF USING 3 3/8" SCALLOP GUNS, 23 gm, 0.36 HOLE, 90* PHS, 40 HOLES, WHP = 159 #,
								BRK DN PERF @ 3712 # @ 6 B/M, INJ-RT = 48 B/M,

US ROCKIES REGION

Operation Summary Report

Well: NBU 1021-32G	Spud Conductor: 3/2/2010	Spud Date: 4/8/2010
Project: UTAH-UINTAH	Site: NBU 1021-32G	Rig Name No: LEED 698/698
Event: COMPLETION	Start Date: 5/10/2010	End Date: 5/13/2010
Active Datum: RKB @5,362.01ft (above Mean Sea Leve	UWI: NBU 1021-32G	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation

								INJ-P = 5960 #, ISIP = 1812 #, F.G. = 0.68 , CALC 64% PERF OPEN, PUMP 883 BBLS SLK WTR & 31816 # OTTAWA SAND, ISIP = 2746 #, F.G. = 0.81 , NPI = 934 #, MP = 6078 #, MR = 53 B/M, AP = 4940 # AR = 51 B/M,
								26816 # 30/50 SAND, 5000 # TLC SAND,
								COMMENTS = LOST ONE PUMP
								
								(KILL PLUG) RIH W/ BAKER 8K CBP, SET CBP @ 7132',, POOH, R/D WIRELINE AND FRAC CREW.
								
								TOTAL WTR = 5512 BBLS SLK WTR
								TOTAL SAND = 193426 # OTTAWA SAND

	15:00 - 16:00	1.00	COMP	30		P		N/D FRAC VALVE, N/U BOPS, R/U WORKING FLOOR AND TBG EQUIP. SHUT WELL IN, SDFN,
5/13/2010	7:00 - 7:15	0.25	COMP	48		P		JSA-SAFETY MEETING #4, Day 4
	7:15 - 9:00	1.75	COMP	31	I	P		P/U 3 7/8" BIT AND POBS, TIH W/ 2 3/8" TBG,TAG @ 7088', R/U POWER SWIVEL, ESTB CIRC DN TBG OUT CSG,

US ROCKIES REGION

Operation Summary Report

Well: NBU 1021-32G	Spud Conductor: 3/2/2010	Spud Date: 4/8/2010
Project: UTAH-UINTAH	Site: NBU 1021-32G	Rig Name No: LEED 698/698
Event: COMPLETION	Start Date: 5/10/2010	End Date: 5/13/2010
Active Datum: RKB @5,362.01ft (above Mean Sea Leve	UWI: NBU 1021-32G	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	9:00 - 17:00	8.00	COMP	44	C	P		(DRLG CBP #1) 7088', DRILL OUT BAKER 8K CBP IN 3 MIN, 100# DIFF., RIH TAG 7392', C/O 30 SAND FCP = 0#, (DRLG CBP #2) 7422', DRILL OUT BAKER 8K CBP IN 3 MIN, 50# DIFF, RIH TAG @ 7678', C/0 20' SAND, FCP = 100#, (DRLG CBP #3) 7698', DRILL OUT BAKER 8K CBP IN 5 MIN, 100# DIFF, RIH TAG @ 8564 ', C/O 20 ' SAND, FCP = 125#, (DRLG CBP #4) 8584', DRILL OUT BAKER 8K CBP IN 6 MIN, 50 # DIFF, RIH TAG @ 8793 ', C/O 25 ' SAND, FCP = 250 #, (DRLG CBP #5) 8818', DRILL OUT BAKER 8K CBP IN MIN, 15 # DIFF, RIH TAG @ 9175 ', C/O 15 ' SAND TO PBTD 9190', CIRC WELL CLEAN, FCP = 300 #, POOH LAY DN 17 JTS ON TRAILER, LAND TBG W/ HANGER W/ 278 JTS 2 3/8" J-55 TBG, EOT = 8681.83', R/D FLOOR AND TBG EQUIP, N/D BOPS, DROP BALL DN TBG, N/U WELL HEAD, PUMP OFF BIT @ 2800#, WAIT 30 MIN FOR BIT TO FALL, OPEN WELL TO TK W/ FTP = 500 # , SICP = 1400 #, TURN WELL OVER TO FLOW BACK CREW W/ 3620 BBLS WTR LTR, R/D SERVICE UNIT MOVE SIDE LOC, AVG, 6 MIN / PLUG W/ 30' SAND. KB = 18.00' HANGER = .83' 278 JTS 2 3/8" J-55 TBG = 8660.80' XN-NIPPLE 1.875", POBS = 2.20' EOT = 8681.80' 307 JTS 2 3/8" DELV, 278 JTS 2 3/8" LANDED 28 JTS 2 3/8" RETURNED 1 JTS 2 3/8" BAD
5/14/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 1325#, TP 1200#, 20/64" CK, 50 BWPH, HEAVY SAND, - GAS TTL BBLS RECOVERED: 3550 BBLS LEFT TO RECOVER: 2270
5/15/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2250#, TP 1175#, 20/64" CK, 30 BWPH, HEAVY SAND, - GAS TTL BBLS RECOVERED: 4420 BBLS LEFT TO RECOVER: 1400
	9:40 -		PROD	50				WELL TURNED TO SALES @ 0940 HR ON 5/15/10 - 1465 MCFD, 720 BWPD, CP 2375#, FTP 1175#, CK 20/64"
5/16/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 1850#, TP 1025#, 20/64" CK, 20 BWPH, MED SAND, 1.3 GAS TTL BBLS RECOVERED: 5041 BBLS LEFT TO RECOVER: 779

US ROCKIES REGION

Operation Summary Report

Well: NBU 1021-32G	Spud Conductor: 3/2/2010	Spud Date: 4/8/2010
Project: UTAH-UINTAH	Site: NBU 1021-32G	Rig Name No: LEED 698/698
Event: COMPLETION	Start Date: 5/10/2010	End Date: 5/13/2010
Active Datum: RKB @5,362.01ft (above Mean Sea Leve	UWI: NBU 1021-32G	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
5/17/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 1650#, TP 900#, 20/64" CK 20 BWPH, LIGHT SAND, 1.4 GAS TTL BBLS RECOVERED: 5401 BBLS LEFT TO RECOVER: 419
	7:00 -		PROD					WELL IP'D ON 5/17/10 - 1339 MCFD, 20 BOPD, 480 BWPD, CP 1650#, FTP 900#, CK 20/64", LP 109#, 24 HRS
5/18/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 1525#, TP 850#, 20/64" CK 10 BWPH, TRACE SAND, 1.3 GAS TTL BBLS RECOVERED: 5797 BBLS LEFT TO RECOVER: 2300

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well Information

Well	NBU 1021-32G	**Wellbore No.**	OH
Well Name	NBU 1021-32G	**Common Name**	NBU 1021-32G
Project	UTAH-UINTAH	**Site**	NBU 1021-32G
Vertical Section Azimuth		**North Reference**	True
Origin N/S		**Origin E/W**	
Spud Date	4/8/2010	**UWI**	NBU 1021-32G
Active Datum	RKB @5,362.01ft (above Mean Sea Level)		

2 Survey Name

2.1 Survey Name: Survey #1

Survey Name	Survey #1	**Company**	APC
Started	4/8/2010	**Ended**	
Tool Name		**Engineer**	Anadarko

2.1.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
14.00	0.00	0.00	14.00	0.00	0.00

2.1.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
4/8/2010	Tie On	14.00	0.00	0.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4/8/2010	NORMAL	964.00	1.20	252.40	963.93	-3.01	-9.48	-3.01	0.13	0.13	0.00	252.40
	NORMAL	1,314.00	1.20	237.70	1,313.86	-6.07	-16.07	-6.07	0.09	0.00	-4.20	-97.35
4/9/2010	NORMAL	1,854.00	1.50	243.10	1,853.71	-12.29	-27.16	-12.29	0.06	0.06	1.00	25.70

2.2 Survey Name: Survey #2

Survey Name	Survey #2	**Company**	APC
Started	4/15/2010	**Ended**	
Tool Name	MWD	**Engineer**	Emile Goodwin

2.2.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
1,854.00	1.50	243.10	1,853.71	-12.29	-27.16

2.2.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
4/15/2010	Tie On	1,854.00	1.50	243.10	1,853.71	-12.29	-27.16	-12.29	0.00	0.00	0.00	0.00
4/16/2010	NORMAL	2,328.00	2.29	169.50	2,327.60	1.99	31.44	1.99	0.60	0.14	20.08	132.16
4/16/2010	NORMAL	2,865.01	2.11	172.49	2,864.20	-18.36	34.68	-18.36	0.04	-0.03	0.56	148.96
4/16/2010	NORMAL	3,371.01	1.49	177.59	3,369.95	-34.17	36.18	-34.17	0.13	-0.12	1.01	168.05
4/16/2010	NORMAL	3,845.01	1.23	169.50	3,843.82	-45.33	37.36	-45.33	0.07	-0.05	-1.71	-147.55
4/16/2010	NORMAL	4,349.01	0.97	109.21	4,347.74	-52.05	42.38	-52.05	0.22	-0.05	-11.96	-131.64
4/17/2010	NORMAL	4,855.01	1.23	128.72	4,853.65	-56.86	50.66	-56.86	0.09	0.05	3.86	65.25
4/17/2010	NORMAL	5,360.01	1.49	137.60	5,358.51	-65.10	59.32	-65.10	0.07	0.05	1.76	43.52
4/17/2010	NORMAL	5,835.01	1.58	147.18	5,833.34	-75.16	67.03	-75.16	0.06	0.02	2.02	75.50
4/18/2010	NORMAL	6,373.01	1.23	141.38	6,371.18	-85.91	74.66	-85.91	0.07	-0.07	-1.08	-160.77
4/18/2010	NORMAL	6,847.01	1.32	11.30	6,845.13	-84.53	78.90	-84.53	0.49	0.02	-27.44	-154.09
4/18/2010	NORMAL	7,353.01	2.00	15.00	7,350.91	-70.28	82.33	-70.28	0.14	0.13	0.73	10.81
4/19/2010	NORMAL	7,859.02	2.00	13.00	7,856.60	-53.15	86.60	-53.15	0.01	0.00	-0.40	-91.00
4/22/2010	NORMAL	9,102.02	2.70	13.00	9,098.55	-3.49	98.06	-3.49	0.06	0.06	0.00	0.00
4/23/2010	NORMAL	9,236.02	2.70	13.00	9,232.41	2.66	99.48	2.66	0.00	0.00	0.00	0.00

API Well No: 43047391360000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1021-32G

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047391360000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 **PHONE NUMBER:** 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2038 FNL 2065 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 11/24/2010	☐ ACIDIZE	☐ ALTER CASING	✓ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The operator requests approval to conduct wellhead/casing repair operations on the subject well location. Please find the attached procedure for the proposed repair work on the subject well location.

Approved by the Utah Division of Oil, Gas and Mining

Date: 11/24/2010

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Gina Becker	720 929-6086	Regulatory Analyst II
SIGNATURE N/A		**DATE** 11/24/2010

RECEIVED November 24, 2010

WORKORDER #: 88104325

Name: NBU 1021-32G 11/23/10
Location: SW NE Section 32 T10S R21E
Uintah County, UT

ELEVATIONS: 5342' GL 5360' KB

TOTAL DEPTH: 9236' **PBTD:** 9190'

SURFACE CASING: 8 5/8", 28# J-55 ST&C @ 1816'

PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 9224'
Marker Joint 4110'-4118'
T.O.C.@ ~120

PERFORATIONS: Mesaverde 7182' – 9170'

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 ½" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 ½" Annulus				0.0101	0.4227

GEOLOGICAL TOPS:

914' Green River
1184' Bird's Nest
1652' Mahogany
4161' Wasatch
7051' Mesaverde
9236' Bottom of MV

Completion Information:

- 5/12/10 - Perf and frac gross MV interval f/ 7182' – 9170' in 5 stages using 193,426# sand & 5512 bbls slickwater
- Well IP'd on 5/17/10 - 1339 MCFD, 20 BOPD, 480 BWPD, CP 1650#, FTP 900#, CK 20/64", LP 109#, 24 HRS

RECEIVED November 24, 2010

NBU 1021-32G – WELLHEAD REPLACEMENT PROCEDURE

PREP-WORK PRIOR TO MIRU:

1. Dig out down to the 2" surface casing valve or to the valve on the riser off the surface casing.

2. Install a tee with 2 valves, with a pressure gauge and sensor on one valve.

3. Open casing valve and record pressures.

4. Install nipple and steel hose on the other valve, the relief valve,. Do not use hammer unions. No impact equipment or tools to be used for any of this installation. Extend hose and hard piping to a downwind location at least 100' from the wellhead. Consider installing a manifold so that vent area could be in two locations approx. 90 degrees apart from the wellhead.

5. Open the relief valve and blow well down to the atmosphere.

6. Make a determination of amount of gas flow, either by installation of a choke nipple, bucket test or other.

7. Shut well in. Observe for rate of build-up by utilizing sensor data. Do not build-up for more than 24 hours. Vent gas through the vent line and leave open to the atmosphere.

WORKOVER PROCEDURE:

1. MIRU workover rig.

2. Kill well with 10# brine / KCL (dictated by well pressure).

3. Remove tree, install double BOP with blind and 2 3/8" pipe rams, with accumulator closing unit and manual back-ups. Function test BOP system.

4. Pooh w/ tubing.

5. Rig up wireline service. RIH and set CBP @ ~7132'. Dump bail 4 sx cement on top of plug. POOH and RD wireline service.

6. Remove BOP and ND WH.

7. Depending on conditions at wellsite, continue with either CUT/PATCH Procedure or BACK-OFF Procedure.

RECEIVED November 24, 2010

CUT/PATCH PROCEDURE:

1. PU internal casing cutters and RIH. Cut casing at +/- 30' from surface.
2. Pooh, LD cutters and casing.
3. PU & RIH w/ 4 ½" 10k external casing patch on 4 ½" I-80 or P-110 casing.
4. Latch fish, PU to 100,000# tension. RU B&C. Cycle pressure test to 7,000# / 9,000# psi.
5. Install C-22 slips. Land casing w/ 80,000# tension.
6. Cut-off and dress 4 ½" casing stub.
7. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~7132'. Clean out to PBTD (9190').
8. POOH, land tbg and pump off POBS.
9. NUWH, RDMO. Turn well over to production ops.

BACK-OFF PROCEDURE:

1. PU internal casing cutters and RIH. Cut casing at +/- 6' from surface.
2. POOH, LD cutters and casing.
3. PU 4 ½" overshot. RIH, latch fish. Pick string weight to neutral.
4. MIRU wireline services. RIH and shoot string shot at casing collar @ 46'.
5. MIRU casing crew.
6. Back-off casing, Pooh.
7. PU new casing joint w/ entry guide and RIH. Tag casing top. Thread into casing and torque up to +/- 6000#.
8. PU 100,000# tension string weight. RU B&C. Cycle pressure test to 7,000# / 9,000# psi.
9. Install C-22 slips. Land casing w/ 80,000# tension.
10. Cut-off and dress 4 ½" casing stub.
11. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~7132'. Clean out to PBTD (9190').
12. POOH, land tbg and pump off POBS.
13. NUWH, RDMO. Turn well over to production ops.

RECEIVED November 24, 2010

Logan High Pressure Casing Patches
Assembly Procedure

All parts should be thoroughly greased before being assembled.

1. Install all four Logan Type “L” Packers in the spaces provided in the Casing Patch Bowl. Refer to diagram provided for proper installation.

2. Install Packer Protector from the Basket Grapple end of the Bowl. The beveled end of the Packer Protector goes in first. Carefully push the Packer Protector through the four Type “L” Packers.

3. Align Shear Pin Holes in Packer Protector so that the holes have just passed into the counter bore at the Top Sub end, refer to diagram. The Packer Protector is provided with four Shear Pin Holes. Use only two holes, 180 degrees apart and install the pins.

4. Screw the Basket Grapple in from the lower end of the Bowl, using left-hand rotation. The Tang Slot in the Basket Grapple must land in line with the slot in the Bowl.

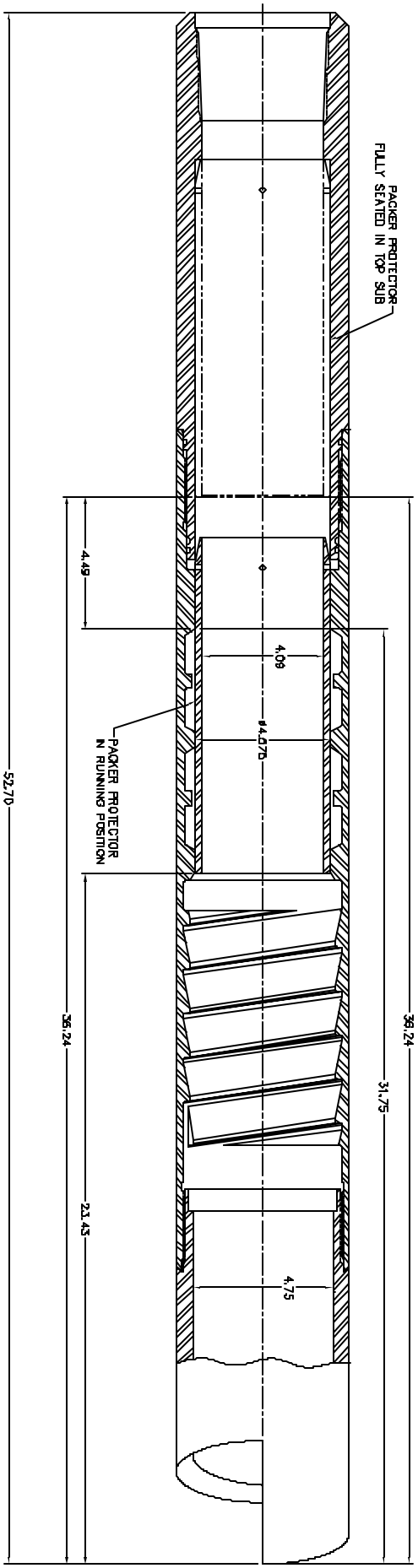
5. Insert the Basket Grapple Control into the end of the Bowl. Align Tang on the Basket Grapple Control with the Tang Slot of the Bowl and Basket Grapple. This secures the Bowl and the Basket Grapple together.

6. Install the Cutlipped Guide into the lower end of the Bowl.

7. Install O-Rings on the two five-foot long Extensions. Screw the first Extension into the top end of the Bowl. Screw the second Extension into the top end of the first Extension.

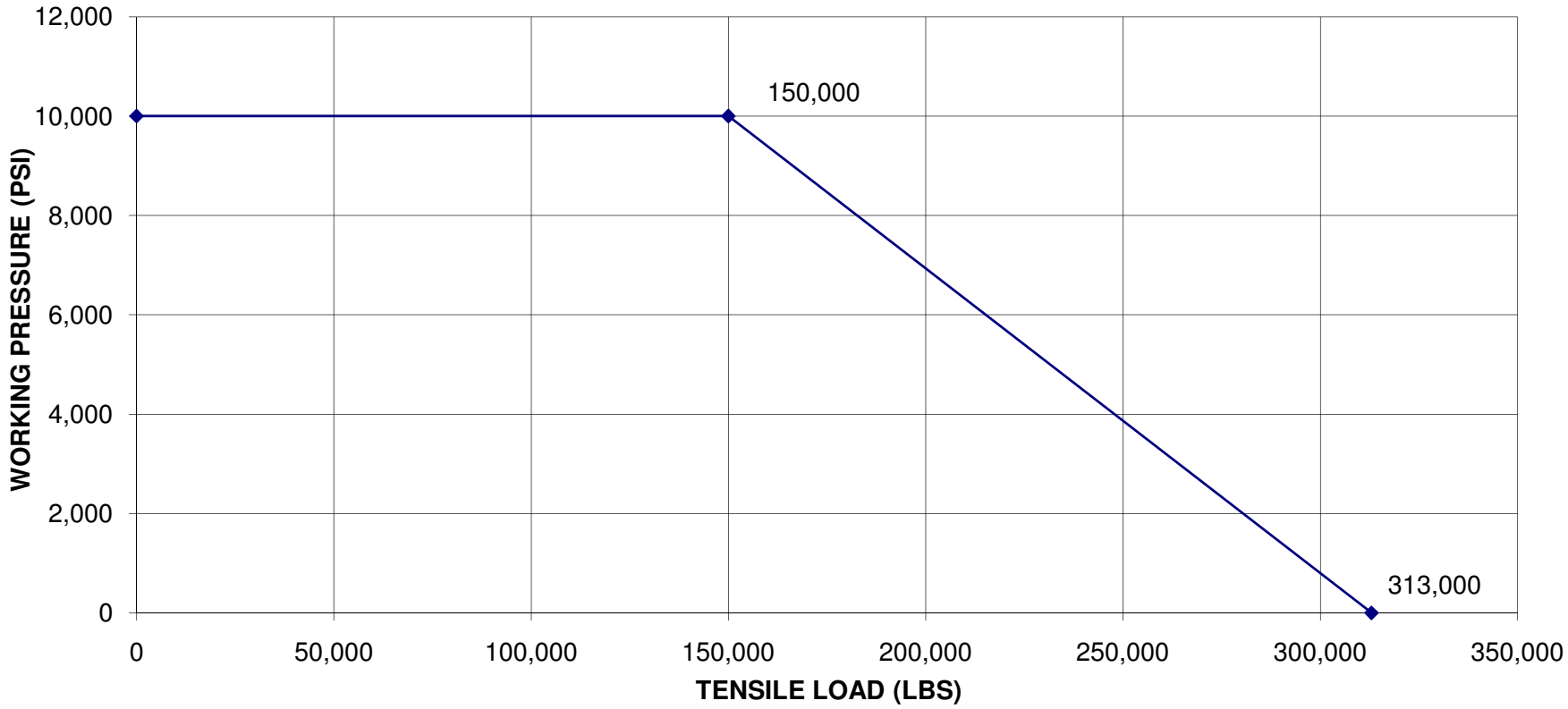
8. Install O-Ring on Top Sub. Screw Top Sub into top end of second Extension.

Follow recommended Make-Up Torque as provided in chart.



510L-005-001 4-1/2" LOGAN HP CASING PATCH

STRENGTH DATA FOR LOGAN 5.88" OD "L" TYPE CSG PATCH
4-1/2 CASING, 10K PSI MAX WP 125K YIELD MAT'L
LOGAN ASSEMBLY NO. 510L-005 -000



COLLAPSE PRESSURE:
11,222 PSI @ 0 TENSILE
8,634 PSI @ 220K TENSILE

Tensile Strength @ Yield:
Tensile Strength w/ 0 Int. Press.= 472,791lbs.
Tensile Strength w/ 10K Int. Press.= 313,748lbs.

DATA BY SLS 11/16/2009

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1021-32G

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047391360000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6515 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2038 FNL 2065 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 6/9/2011	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	✓ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Commingle

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The operator has approval on 11/24/2010 to conduct wellhead repair operations on the subject well location. The operator proposes to re-complete the Wasatch formation. The operator also requests authorization to commingle the newly Wasatch and existing Mesaverde formations. Please refer to the attached wellhead re-completion procedure.

Approved by the Utah Division of Oil, Gas and Mining

Date: 06/21/2011

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Gina Becker	720 929-6086	Regulatory Analyst II
SIGNATURE N/A		**DATE** 6/9/2011

Please Review Attached Conditions of Approval

RECEIVED Jun. 09, 2011

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047391360000

Authorization: Board Cause No. 173-14.

RECEIVED Jun. 09, 2011

Greater Natural Buttes Unit

NBU 1021-32G

RE-COMPLETIONS PROCEDURE

DATE:6/3/2011
AFE#:
API#:4304739136
USER ID:OOT937 (Frac Invoices Only)

COMPLETIONS ENGINEER: **Zachary Garrity, Denver, CO**
(720)-929-6180 (Office)
(406)-781-6427 (Cell)

SIGNATURE:

ENGINEERING MANAGER: JEFF DUFRESNE

SIGNATURE:

R E M E M B E R S A F E T Y F I R S T !

RECEIVED Jun. 09, 2011

Name: **NBU 1021-32G**
Location: **SW NE Section 32 T10S R21E**
LAT: 39.905675 **LONG:** -109.573300 **COORDINATE:** *NAD83 (Surface Location)*
Uintah County, UT
Date: **6/3/2011**

ELEVATIONS: 5342' GL 5360' KB *Frac Registry TVD: 9232*

TOTAL DEPTH: 9236' **PBTD:** 9178'
SURFACE CASING: 8 5/8", 28# J-55 LT&C @ 1816'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 BT&C @ 9224'
Marker Joint **4110-4118'**'

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 ½" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 ½" Annulus				0.0101	0.4227

TOPS:
914' Green River Top
1184' Bird's Nest Top
1652' Mahogany Top
4161' Wasatch Top
7051' Mesaverde Top

BOTTOMS:
7051' Wasatch Bottom
9236' Mesaverde Bottom (TD)

T.O.C. @ 120'

GENERAL:

- A minimum of **5** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Bakers Induction-Density-Neutron log dated 4/22/2010
- **3** fracturing stages required for coverage.
- Procedure calls for **4** CBP's (**8000** psi) .
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Pump scale inhibitor at 3 gpt (in pad and until 1.25 ppg ramp up is reached) and 10 gpt in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac**.
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). Stage acid and scale inhibitor if necessary to cover the next perforated interval.

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- **Call flush at 0 PPG @ inline densiometers. Slow to 5 bbl/min over last 10-20 bbls of flush. Flush to top perf.**
- **If distance between plug and top perf of previous stage is less than 50', it is considered to be tight spacing - over flush stage by 5 bbls (from top perf)**
- Pump 20/40 mesh **curable resin coated sand** last 2,500# of all frac stages
- **TIGHT SPACING ON STAGE 1; OVERFLUSH BY 5 BBLS**
- Tubing Currently Landed @~8,685
- Originally completed on 5/12/2010

Existing Perforations:

PERFORATIONS

Formation	Zone	Top	Btm	spf	Shots	Date	Reason	Comments	Producing
MESAVERDE		7182	7184	4	8	05/12/2010	PRODUCTION		Yes
MESAVERDE		7350	7354	4	16	05/12/2010	PRODUCTION		Yes
MESAVERDE		7388	7392	4	16	05/12/2010	PRODUCTION		Yes
MESAVERDE		7582	7584	4	8	05/12/2010	PRODUCTION		Yes
MESAVERDE		7613	7615	4	8	05/12/2010	PRODUCTION		Yes
MESAVERDE		7645	7647	4	8	05/12/2010	PRODUCTION		Yes
MESAVERDE		7664	7668	4	16	05/12/2010	PRODUCTION		Yes
MESAVERDE		8429	8431	3	6	05/12/2010	PRODUCTION		Yes
MESAVERDE		8459	8461	3	6	05/12/2010	PRODUCTION		Yes
MESAVERDE		8506	8508	4	8	05/12/2010	PRODUCTION		Yes
MESAVERDE		8530	8532	4	8	05/12/2010	PRODUCTION		Yes
MESAVERDE		8552	8554	4	8	05/12/2010	PRODUCTION		Yes
MESAVERDE		8710	8712	4	8	05/12/2010	PRODUCTION		Yes
MESAVERDE		8728	8730	4	8	05/12/2010	PRODUCTION		Yes
MESAVERDE		8770	8774	4	16	05/12/2010	PRODUCTION		Yes
MESAVERDE		8786	8788	4	8	05/12/2010	PRODUCTION		Yes
MESAVERDE		9132	9136	4	16	05/12/2010	PRODUCTION		Yes
MESAVERDE		9142	9146	4	16	05/12/2010	PRODUCTION		Yes
MESAVERDE		9168	9170	4	8	05/12/2010	PRODUCTION		Yes

Relevant History:

5/12/2010 – Original completion (5 stage frac)

7/6/2010 – Slickline ran to TD and stacked out at 8639'. Came out and bailer was clean. Blew down tubing and re-ran to TD and stacked out at 8639'. Came out and bailer was clean. Ran broach and stacked out at the same spot (8639').

8/20/2010 – Pulled tubing, which had barium on outside. Replaced 3 joints and ran in hole with a 1.875 XN and 2-3/8" tubing landing at 8685'. Ran broach to 5545' and had no problems. PBTD at 9190'.

5/5/2011 – Slickline ran in with JDC and set down at 8665'. Came out with viper plunger, ran in to get spring and had issues, never recovered spring. Ran scratcher and set down at 8665 so came out and ran broach and set down at 8665. Tubing clean so chased plunger to bottom.

5/27/2011 – Wellhead repair

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H2S History:

Production Date	Gas (avg mcf/day)	Water (avg bbl/day)	Oil (avg bbl/day)	LGR (bbl/Mmcf)	Max H2S - Separator (ppm)
5/31/2011	0.00	0.00	0.00	#NA	
4/30/2011	163.67	9.23	3.77	79.43	
3/31/2011	241.35	20.97	3.58	101.71	
2/28/2011	263.64	27.86	2.96	116.91	0.00
1/31/2011	263.32	16.39	4.94	80.98	
12/31/2010	293.39	28.03	3.81	108.52	2.00
11/30/2010	313.53	23.73	6.70	97.07	

PROCEDURE: (If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work.)

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.

2. If the tubing is below the proposed CBP depth, TOOH with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~8,685'). Visually inspect for scale and consider replacing if needed. If the tubing is above the proposed CBP depth, RIH with tubing and tag for fill before TOOH.

3. If tbg looks ok consider running a gauge ring to 6970 (50' below proposed CBP). Otherwise P/U a mill and C/O to 6970 (50' below proposed CBP).

4. Set 8000 psi CBP at ~ 6920'. ND BOPs and NU frac valves. Test frac valves and casing to 1000 and 3500 psi for 15 minutes each and to 6200 psi for 30 minutes. As per standard operating procedure install steel blowdown line to reserve pit from 4-1/2" X 8-5/8" annulus with pressure relief valve in line. Pressure relief will be set to release at 500 psig. Lock **OPEN** the Braden head valve. Annulus will be monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.

5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	6726	6728	4	8
WASATCH	6740	6742	4	8
WASATCH	6888	6890	4	8

6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~6726' and trickle 250gal 15%HCL w/ scale inhibitor in flush. **NOTE: TIGHT SPACING THIS STAGE, OVERFLUSH BY 5BBLS**

7. Set 8000 psi CBP at ~6,712'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	6577	6580	3	9
WASATCH	6678	6682	3	12

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8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~6577' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

9. Set 8000 psi CBP at ~5,271'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5166	5170	3	12
WASATCH	5217	5221	3	12

10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~5166' and flush only with recycled water.

11. Set 8000 psi CBP at~5,116'.

12. ND Frac Valves, NU and Test BOPs.

13. TIH with 3 7/8" bit, pump off sub, SN and tubing.

14. Drill plugs and clean out to PBTD. Shear off bit and land tubing at ±**8,685**' unless indicated otherwise by the well's behavior. The well will be commingled at this time.

15. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.

16. **Leave surface casing valve open**. Monitor and report any flow from surface casing. RDMO

For design questions, please call
Zachary Garrity, Denver, CO
(720)-929-6180 (Office)
(406)-781-6427 (Cell)

For field implementation questions, please call
Jeff Samuels, Vernal, UT
(435)-781-7046 (Office)

NOTES:
TIGHT SPACING ON STAGE 1; OVERFLUSH BY 5 BBLS

If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work

Verify that the Braden head valve is locked OPEN.

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Acid Pickling and H2S Procedures (If Required)

**PROCEDURE FOR PUMPING ACID DOWN TBG

WHEN FINDING SCALE IN TUBING THAT IS ACID SOLUBLE, ENSURE THAT PLUNGER EQUIPMENT IS REMOVED AND ABLE TO PUMP DOWN TBG. INSTALL A 'T' IN PUMP LINE W/2" VALVE THAT NALCO CAN TIE INTO. HAVE 60 BBLS 2% KCL MIXED W/ 10-15 GAL H2S SCAVENGER IN RIG FLAT TANK. (WE USED THE RIG FLAT TANK FOR MIXING CHEMICAL SO WE DIDN'T HAVE THE CHEMICAL IN ALL FLUIDS ON LOCATION, ONLY WHAT WE NEEDED TO PUMP DOWN HOLE)

1. PUMP 5-10 BBLS 2% KCL DOWN TBG (NALCO CANNOT PUMP AGAINST PRESSURE)
2. NALCO WILL PUMP 3 DRUMS HCL (31%) INTO PUMP LINE.
3. FLUSH BEHIND ACID WITH 10-15 BBL 2% KCL
4. PUMP 2—30 BBL 2% W/ H2S SCAVENGER DOWN TBG.
5. PUMP REMAINDER OF 2% W/ H2S SCAVENGER DOWN CASING AND SHUT WELL IN FOR MINIMUM OF 2 HRS.
6. OVER DISPLACE DOWN TBG AND CSG TO FLUSH ACID AND SCAVENGER INTO FORMATION
7. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

** PROCEDURE FOR PUMPING H2S SCAVENGER WITHOUT ACID

PRIOR TO RIG MOVING ON OR AS RIG PULLS ONTO LOCATION. TEST CASING, TUBING AND SEPARATOR FOR H2S. IF FOUND MAKE SURE THAT PLUNGER SYSTEM IS REMOVED (IT IS POSSIBLE TO PUMP AROUND PLUNGERS BUT SOME WILL HAVE A STANDING VALVE IN SEATING NIPPLE).

1. MIX 10-15 GAL H2S SCAVENGER WITH 60-100 BBL 2% KCL IN RIG FLAT TANK.
2. PUMP 25 BBLS MIXTURE DOWN TUBING AND REST DOWN CASING. SHUT WELL IN FOR 2 HOURS.
3. IF WELL HAS PRESSURE AFTER 2 HOURS – RETEST CASING AND TUBING FOR H2S.
4. FLUSH TUBING AND CASING PUSHING H2S SCAVENGER INTO FORMATION.
5. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

** As per APC standard operating procedure, APC foreman will verify ALL volumes pumped and record on APC Volume Report Form

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Key Contact information

Completion Engineer

Zachary Garrity: 406-781-6427, 720-929-6180

Production Engineer

Jordan Portillo: 435/781-9785, 435/828-6221

Completion Supervisor Foreman

Jeff Samuels: 435-828-6515, 435-781-7046

Completion Manager

Jeff Dufresne: 720-929-6281, 303-241-8428

Vernal Main Office

435-789-3342

Emergency Contact Information—Call 911

Vernal Regional Hospital Emergency: 435-789-3342

Police: (435) 789-5835

Fire: 435-789-4222

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Name NBU 1021-32G Recomplete
Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes		Fracture Coverage		
		Top, ft	Bottom, ft						
1	WASATCH	6726	6728	4	8		6723.5	to	6728
	WASATCH	6740	6742	4	8		6740.5	to	6747
	WASATCH	6888	6890	4	8		6875	to	6902.5
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	# of Perfs/stage				24		CBP DEPTH	6,712	
2	WASATCH	6577	6580	3	9		6576.5	to	6581
	WASATCH	6678	6682	3	12		6668	to	6685
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	# of Perfs/stage				21		CBP DEPTH	5,271	
3	WASATCH	5166	5170	3	12		5159.5	to	5172
	WASATCH	5217	5221	3	12		5208.5	to	5224.5
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	# of Perfs/stage				24		CBP DEPTH	5,116	
	Totals				69				

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Fracturing Schedules

Name NBU 1021-32G Recomplete

Slickwater Frac

Copy to new book

Recomplete?	Y
Pad?	N
ACTS?	N

Swabbing Days	0	Enter Number of swabbing days here for recompletes
Production Log	0	Enter 1 if running a Production Log
DFIT	0	Enter Number of DFITs

Stage	Zone	Md-Ft of Pay	Perfs Top, ft.	Perfs Bot., ft	SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
1	WASATCH	0.10	6726	6728	4	8	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	0.12	6740	6742	4	8	0	ISIP and 5 min ISIP													44
	WASATCH	0.24	6888	6890	4	8	50	Slickwater Pad			Slickwater	3,100	3,100	74	74	15.0%	0.0%	0	0		9
	WASATCH	0.00					50	Slickwater Ramp	0.25	1	Slickwater	10,332	13,432	246	320	50.0%	37.3%	6,458	6,458		31
	WASATCH	0.00					50	Slickwater Ramp	1	2	Slickwater	7,232	20,664	172	492	35.0%	62.7%	10,849	17,306		0
	WASATCH	0.00					50	Flush (4-1/2)			Slickwater	4,391	25,055	105	597				17,306		0
	WASATCH	0.00						ISDP and 5 min ISDP			Slickwater										0
	WASATCH	0.00																			0
	WASATCH	0.00																	17,306		0
	WASATCH	0.00											25,055	105	597						44
	WASATCH	0.00																			128
	WASATCH	0.00																			
	WASATCH	0.00																			
	WASATCH	0.00									Sand laden Volume		20,664								
																	gal/md-ft	45,000	37,688	lbs sand/md-ft	
		0.46		# of Perfs/stage		24									Flush depth	6726		CBP depth	6,712	14	
							11.9	<< Above pump time (min)													
2	WASATCH	0.16	6577	6580	3	9	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	0.23	6678	6682	3	12	0	ISIP and 5 min ISIP													9
	WASATCH	0.00					50	Slickwater Pad			Slickwater	3,120	3,120	74	74	15.0%	0.0%	0	0		31
	WASATCH	0.00					50	Slickwater Ramp	0.25	1	Slickwater	10,400	13,521	248	322	50.0%	37.3%	6,500	6,500		0
	WASATCH	0.00					50	Slickwater Ramp	1	2	Slickwater	7,280	20,801	173	495	35.0%	62.7%	10,920	17,421		0
	WASATCH	0.00					50	Flush (4-1/2)			Slickwater	4,293	25,094	102	597				17,421		0
	WASATCH	0.00						ISDP and 5 min ISDP			Slickwater										0
	WASATCH	0.00																			0
	WASATCH	0.00																	17,421		0
	WASATCH	0.00											25,094	102	597						34
	WASATCH	0.00																			75
	WASATCH	0.00																			
	WASATCH	0.00																			
	WASATCH	0.00									Sand laden Volume		20,801								
																	gal/md-ft	54,000	45,225	lbs sand/md-ft	
		0.39		# of Perfs/stage		21									Flush depth	6577		CBP depth	5,271	1,306	
							11.9	<< Above pump time (min)													
3	WASATCH	0.25	5166	5170	3	12	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	0.04	5217	5221	3	12	0	ISIP and 5 min ISIP													10
	WASATCH	0.00					50	Slickwater Pad			Slickwater	3,257	3,257	78	78	15.0%	0.0%	0	0		33
	WASATCH	0.00					50	Slickwater Ramp	0.25	1	Slickwater	10,855	14,112	258	336	50.0%	37.3%	6,784	6,784		0
	WASATCH	0.00					50	Slickwater Ramp	1	2	Slickwater	7,599	21,710	181	517	35.0%	62.7%	11,398	18,182		0
	WASATCH	0.00					50	Flush (4-1/2)			Slickwater	3,372	25,083	80	597				18,182		0
	WASATCH	0.00						ISDP and 5 min ISDP			Slickwater										0
	WASATCH	0.00																			0
	WASATCH	0.00																	18,182		0
	WASATCH	0.00											25,083	80	597						0
	WASATCH	0.00																			42
	WASATCH	0.00																			
	WASATCH	0.00																			
	WASATCH	0.00									Sand laden Volume		21,710								
																	gal/md-ft	73,000	61,138	lbs sand/md-ft	
		0.30		# of Perfs/stage		24									Flush depth	5166		CBP depth	5,116	50	
							11.9	<< Above pump time (min)													
	Totals	1.14				69						Total Fluid	75,232	gals	1,791	bbls		Total Sand	52,909		
													1,791	bbls							
							0.6								4.0	tanks				Total Scale Inhib. =	245

Total Stages	3	stages
Last Stage Flush	3,372	gals

Service Company Supplied Chemicals - Job Totals

Friction Reducer	36	gals @	0.5	GPT
Surfactant	72	gals @	1.0	GPT
Clay Stabilizer	72	gals @	1.0	GPT
15% Hcl	750	gals @	250	gal/stg
Iron Control for acid	4	gals @	5.0	GPT of acid
Surfactant for acid	1	gals @	1.0	GPT of acid
Corrosion Inhibitor for acid	2	gals @	2.0	GPT of acid

Third Party Supplied Chemicals Job Totals - Include Pumping Charge if Applicable

Scale Inhibitor	245	gals pumped per schedule above		
Biocide	36	gals @	0.5	GPT

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1021-32G

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047391360000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6515 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2038 FNL 2065 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 8/24/2011	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	✓ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR HAS PERFORMED A RECOMPLETION ON THE SUBJECT WELL. THE OPERATOR HAS RECOMPLETED THE NEWLY WASATCH FORMATION AND THE EXISTING MESAVERDE FORMATION. THE OPERATOR HAS COMMINGLED THE NEWLY WASASTCH FORMATION AND THE EXISTING MESAVERDE FORMATION. THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 08/24/2011 AT 9:45 AM. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Sheila Wopsock	435 781-7024	Regulatory Analyst
SIGNATURE N/A		**DATE** 8/25/2011

RECEIVED Aug. 25, 2011

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: ML 21577

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER

7. UNIT or CA AGREEMENT NAME: UTU63047A

b. TYPE OF WORK: NEW WELL ☐ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☑ OTHER RECOMPLETE

8. WELL NAME and NUMBER: NBU 1021-32G

2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 4304739136

3. ADDRESS OF OPERATOR: P.O.BOX 173779 CITY DENVER STATE CO ZIP 80217

PHONE NUMBER: (720) 929-6100

10 FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: SWNE 2038 FNL 2065 FEL S32,T10S,R21E
AT TOP PRODUCING INTERVAL REPORTED BELOW:
AT TOTAL DEPTH:

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 32 10S 21E S

12. COUNTY: UINTAH

13. STATE: UTAH

14. DATE SPUDDED: 3/2/2010

15. DATE T.D. REACHED: 4/21/2010

16. DATE COMPLETED: 8/24/2011 ABANDONED ☐ READY TO PRODUCE ☑

17. ELEVATIONS (DF, RKB, RT, GL): 5342 GL

18. TOTAL DEPTH: MD 9,236 TVD 9,232

19. PLUG BACK T.D.: MD 9,180 TVD 9,176

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
CBL/GR-HDIL/ZDL/CN/GR

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☑ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
11"	8 5/8" IJ-55	28#		1,816		380		0	
7 7/8"	4 1/2" I-80	11.6#		9,223		1,815		110	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	6,649							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) WASATCH	5,166	6,890		
(B) MESAVERDE	7,182	9,170		
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)		SIZE	NO. HOLES	PERFORATION STATUS
5,166	6,890	0.36	69	Open ☑ Squeezed ☐
7,182	9,170	0.36	196	Open ☑ Squeezed ☐
				Open ☐ Squeezed ☐
				Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
5166 - 6890	PUMP 1,977 BBLS SLICK H2O & 52,809 LBS SAND

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SEP 30 2011
DIV. OF OIL, GAS & MINING

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: PROD

(5/2000)

(CONTINUED ON BACK)

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
8/24/2011	8/30/2011	24		17	1,325	141	FLOWING

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
20/64	175	1,045					17	1,325	141	PROD

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
GREEN RIVER	914				
BIRD'S NEST	1,184				
MAHOGANY	1,652				
WASATCH	4,161	7,051			
MESAVERDE	7,051	9,236	TD		

35. ADDITIONAL REMARKS (Include plugging procedure)

Recompletion Chrono and Perf Report attached. Test information is commingled production from the Wasatch and MesaVerde perforations.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) ANDREW LYTLE TITLE REGULATORY ANALYST

SIGNATURE [signature] DATE 9/22/2011

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

US ROCKIES REGION

Operation Summary Report

Well: NBU 1021-32G	Spud Conductor: 3/2/2010	Spud Date: 4/8/2010
Project: UTAH-UINTAH	Site: NBU 1021-32G	Rig Name No: MILES 3/3
Event: RECOMPL/RESEREVEADD	Start Date: 8/16/2011	End Date:
Active Datum: RKB @5,362.00ft (above Mean Sea Level)	UWI: NBU 1021-32G	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
8/16/2011	7:00 - 7:15	0.25	COMP	48		P		HSM, RU, RD, EQUIPMENT
	7:15 - 11:00	3.75	COMP	30	A	P		MOVE RIG FROM COG 6 TO LOCATION SPOT IN EQUIPMENT RU.
	11:00 - 16:00	5.00	COMP	31	I	P		TBG, 95 PSI CSG 95 PSI CONTROL WELL W 20 BBLS T-MAC DN TBG ND, WH, NU, BOPS RU FLOOR & TBG EQUIPMENT, UNLAND TBG, POOH W/ 281 JTS J-55 TBG LD ON TRAILER.
	16:00 - 19:00	3.00	COMP	34	I	P		MIRU J-W WIRELINE RIH W 4 1/2 GR, JB TO 6970' POOH RIH W 4 1/2 10K CIBP SET @ 6920' SWI SDFN ND, BOPS NU FRAC VALVE PT, IN THE A.M. RDMO STATE 1021-32 J WH REPAIR.
8/17/2011	7:00 - 7:15	0.25	COMP	48		P		HSM ND, BOPS & PT, FRAC VALVE
	7:15 - 11:00	3.75	COMP	33	C	P		RD FLOOR, ND, BOPS, ND CSG VALVES, WAIT FOR BOLTS TO NU, FRAC TREE, NU, FRAC VALVE, FILL 4 1/2 CSG W / 80 BBLS TO SURFACE, & FILL SURFACE CSG ANNULAS W/ 5 BBLS T-MAC
	11:00 - 13:00	2.00	COMP	33	C	P		MIRU B&C QUICK TEST PT FRAC VALVE TO 1000# FOR 15 MINS LOST 32 PSI, IN 15 MINS, PT, 3500#, FOR 15 MINS, LOST 23 PSI IN 15 MINS, PT, 6200# FOR 30 MINS LOST 80 PSI IN 30 MIN, CALLED BJ BRAITHWAITE SAID TEST WAS OKAY, RD B & C QUICK TEST.
	13:00 - 16:00	3.00	COMP	30	A	P		RDMO STATE 1021-32 J FOR WH, REPAIR & PREP FOR RECOMPLETE.
8/18/2011	6:45 - 7:00	0.25	COMP	48		P		HSM. HIGH PSI LINE.

US ROCKIES REGION

Operation Summary Report

Well: NBU 1021-32G	Spud Conductor: 3/2/2010	Spud Date: 4/8/2010
Project: UTAH-UINTAH	Site: NBU 1021-32G	Rig Name No: MILES 3/3
Event: RECOMPL/RESEREVEADD	Start Date: 8/16/2011	End Date:
Active Datum: RKB @5,362.00ft (above Mean Sea Level)	UWI: NBU 1021-32G	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:00 - 18:00	11.00	COMP	36	B	P		PERF STG 1)PU 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH PERF AS PER STG 1 PERF DESIGN. POOH. X-OVER FOR FRAC CREW. FRAC STG 1)WHP 300 PSI, BRK 3569 PSI @ 6.4 BPM. ISIP 1727 PSI, FG .69. PERF OPEN CALC @ 36.2 BPM @ 5760 PSI = 61% HOLES OPEN. ISIP 3543 PSI, FG .96, NPI 1860 PSI. MP 6099 PSI, MR 43.8 BPM, AP 5737 PSI, AR 34.3 BPM, PMP 736 BBLS SW & 11,903 LBS OF 30/50 SND & 5360 LBS OF 20/40 RESIN SND. TOTAL PROP 17,263 LBS. SWI, X-OVER FOR WL. PERF STG 2)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @ 6712' P/U PERF AS PER STG 2 PERF DESIGN. POOH. X-OVER FOR FRAC CREW. FRAC STG 2)WHP 720 PSI, BRK 3948 PSI @ 4.7 BPM. ISIP 2469 PSI, FG .81. PERF OPEN CALC @ 38.4 BPM @ 5992 PSI = 61% HOLES OPEN. ISIP 2831 PSI, FG .87, NPI 362 PSI. MP 5996 PSI, MR 50 BPM, AP 5308 PSI, AR 45.5 BPM, PMP 615 BBLS SW & 14,586 LBS OF 30/50 SND & 3017 LBS OF 20/40 RESIN SND. TOTAL PROP 17,603 LBS. SWI, X-OVER FOR WL. PERF STG 3)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @ 5271' P/U PERF AS PER STG 3 PERF DESIGN. POOH. X-OVER FOR FRAC. FRAC STG 3)WHP 435 PSI, BRK 2272 PSI @ 4.1 BPM. ISIP 1493 PSI, FG .73. PERF OPEN CALC @ 49.8 BPM @ 4384 PSI = 80% HOLES OPEN. ISIP 2085 PSI, FG .84, NPI 592 PSI. MP 5112 PSI, MR 51.8 BPM, AP 4577 PSI, AR 49 BPM, PMP 627 BBLS SW & 15,782 LBS OF 30/50 SND & 2,161 LBS OF 20/40 RESIN SND. TOTAL PROP 17,943 LBS. SWI. DONE FRACING THIS WELL. X-OVER FOR WL. SET KILL PLUG @ 5116' 30/50 WHITE SAND = 42,271 LBS 20/40 RESIN SAND = 10,538 LBS TOTAL CLFL = 1977 BBLS TOTAL SCALE = 241 GAL TOTAL BIO = 39 GAL
8/22/2011	7:00 - 7:15	0.25	COMP	48		P		JSA- RUSU. ND/NU. PU TBG.
	7:15 - 10:00	2.75	COMP	30	A	P		(8/19/11 RRTL). RUSU. ND FRAC VALVES. NU TBG HEAD AND BOP. RU FLOOR. HOOK UP FLOW LINE.
	10:00 - 14:30	4.50	COMP	31	I	P		MU 3-7/8" MILL, PMP OPEN SUB, 1.87" XN. RIH AS MEAS AND PU USED 2-3/8" J-55 TBG. TAG AT 5080' W/ 162 JTS.

US ROCKIES REGION

Operation Summary Report

Well: NBU 1021-32G	Spud Conductor: 3/2/2010	Spud Date: 4/8/2010
Project: UTAH-UINTAH	Site: NBU 1021-32G	Rig Name No: MILES 3/3
Event: RECOMPL/RESEREVEADD	Start Date: 8/16/2011	End Date:
Active Datum: RKB @5,362.00ft (above Mean Sea Level)	UWI: NBU 1021-32G	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	14:30 - 17:00	2.50	COMP	33	C	P		RU PWR SWIVEL. FILL TBG. ATTEMPT TO PRES TEST TO 3000#. BLEW POP OFF, REPLACE DOOR GASKET IN BLIND AND PIPE RAMS. FINALLY ABLE TO GET GOOD P-TEST TO 3000#. SDFN W/ 161-JTS IN, EOT AT 5060'.
8/23/2011	7:00 - 7:15	0.25	COMP	48		P		JSA- PPE, D/O PLUGS.
	7:15 - 16:00	8.75	COMP	44	C	P		EST CIRC AND MILL OUT PLUGS. #1- C/O 30' SAND TO CBP AT 5116'. MILL OUT IN 20 MIN. 0# INC. FCP 0#. RIH. #2- C/O 32' SAND TO CBP AT 5271'. MILL OUT IN 30 MIN. 0# INC. FCP 0#. RIH. #3- C/O 34' SAND TO CBP AT 6712'. MILL OUT IN 30 MIN. 0# INC. FCP 0#. CONSULT WITH ZACH GARRITY- SAID NOT TO D/O ISOLATION PLUG. C/O 20' SAND TO CIBP AT 6926'. CIRC CLEAN. RD PWR SWIVEL. POOH AS LD 10-JTS. PU 7" 5K HANGER. LUB IN AND LAND 212-JTS 2-3/8" J-55 TBG W/ EOT AT 6648.94. SITP 0, SICP 150, SURFACE OPEN- NO FLOW OR BLOW. TURN OVER TO FBC AT 14:30. RDSU AND MOVE OFF. TBG DETAIL KB 18.00 7" 5K HANGER 1.00 212-JTS 2-3/8" J-55 6626.88 1.87" XN (PMP OPEN) 3.06 EOT (MILL) 6648.94 278-JTS PULLED, 212-JTS LANDED 66-JTS SENT IN. TWTR 1799, TWR 300, LTR 1677
8/24/2011	7:00 -			33	A			7 AM FLBK REPORT: CP 0#, TP 0#, OPEN/64" CK, - BWPH, - SAND, - GAS TTL BBLS RECOVERED: 320 BBLS LEFT TO RECOVER: 1657
8/25/2011	7:00 -			33	A			7 AM FLBK REPORT: CP 1400#, TP 750#, 20/64" CK, 15 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 865 BBLS LEFT TO RECOVER: 1112
8/26/2011	7:00 -			33	A			7 AM FLBK REPORT: CP 1350#, TP 850#, 20/64" CK, 12 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 1183 BBLS LEFT TO RECOVER: 794
8/27/2011	7:00 -			33	A			7 AM FLBK REPORT: CP 1150#, TP 850#, 20/64" CK, 9 BWPH, light SAND, - GAS TTL BBLS RECOVERED: 1399 BBLS LEFT TO RECOVER: 578

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well Information

Well	NBU 1021-32G		
Common Name	NBU 1021-32G		
Well Name	NBU 1021-32G	**Wellbore No.**	OH
Report No.	1	**Report Date**	8/17/2011
Project	UTAH-UINTAH	**Site**	NBU 1021-32G
Rig Name/No.	MILES 3/3	**Event**	RECOMPL/RESEREVEADD
Start Date	8/16/2011	**End Date**	
Spud Date	4/8/2010	**Active Datum**	RKB @5,362.00ft (above Mean Sea Level)
UWI	NBU 1021-32G		

1.3 General

Contractor	JW WIRELINE	**Job Method**	PERFORATE	**Supervisor**	DAVE DANIELS
Perforated Assembly	PRODUCTION CASING	**Conveyed Method**	WIRELINE		

1.4 Initial Conditions

Fluid Type		**Fluid Density**	
Surface Press		**Estimate Res Press**	
TVD Fluid Top		**Fluid Head**	
Hydrostatic Press		**Press Difference**	
Balance Cond	NEUTRAL		

1.5 Summary

Gross Interval	5,166.0 (ft)-6,890.0 (ft)	**Start Date/Time**	8/17/2011 12:00AM
No. of Intervals	7	**End Date/Time**	8/17/2011 12:00AM
Total Shots	69	**Net Perforation Interval**	21.00 (ft)
Avg Shot Density	3.29 (shot/ft)	**Final Surface Pressure**	
		Final Press Date	

2 Intervals

2.1 Perforated Interval

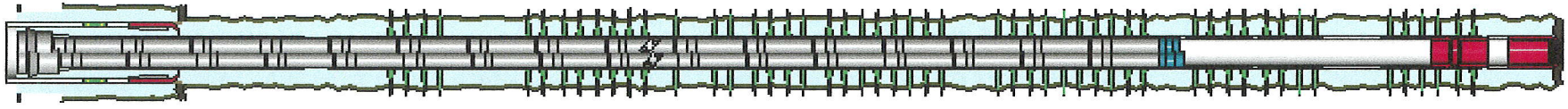
Date	Formation/ Reservoir	CCL@ (ft)	CCL-TS (ft)	MD Top (ft)	MD Base (ft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
12:00AM	WASATCH/			5,166.0	5,170.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (ft)	CCL-TS (ft)	MD Top (ft)	MD Base (ft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
12:00AM	WASATCH/			5,217.0	5,221.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
12:00AM	WASATCH/			6,577.0	6,580.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
12:00AM	WASATCH/			6,678.0	6,682.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
12:00AM	WASATCH/			6,726.0	6,728.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
12:00AM	WASATCH/			6,740.0	6,742.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
12:00AM	WASATCH/			6,888.0	6,890.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	

3 Plots

3.1 Wellbore Schematic



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1021-32G

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047391360000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 **PHONE NUMBER:** 720 929-6515

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2038 FNL 2065 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	✓ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 6/13/2011	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The operator has concluded the wellhead/casing repairs on the subject well location. Please see the attached chronological history for the details of the operations.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
January 24, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jaime Scharnowske	720 929-6304	Regulartory Analyst
SIGNATURE N/A		**DATE** 1/24/2012

RECEIVED: Jan. 24, 2012

US ROCKIES REGION

Operation Summary Report

Well: NBU 1021-32G	Spud Conductor: 3/2/2010	Spud Date: 4/8/2010	
Project: UTAH-UINTAH	Site: NBU 1021-32G		Rig Name No: SWABBCO 6/6
Event: WELL WORK EXPENSE	Start Date: 6/8/2011		End Date: 6/13/2011
Active Datum: RKB @5,362.00ft (above Mean Sea Leve	UWI: NBU 1021-32G		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
6/8/2011	12:00 - 15:00	3.00	WO/REP	30		P		MOVE RIG & EQUIP FROM NBU 921-35O PAD TO LOC SPOT RIG & EQUIP RU RIG PUMP & TNK W/ LATE TO LOC TRK GOT TIED UP
6/9/2011	7:00 - 7:15	0.25	WO/REP	48		P		JSA= WELL CONTROL
	7:15 - 15:00	7.75	WO/REP	30		P		FWP= 150 PSI CONTROL WELL W/ 20 BBLS TMAC ND WELLHEAD NU BOPS RU FLOOR & TUBING EQUIP UNLAND TUBING LD HNGR POOH W/ 278 JNTS TUBING LD BHA RU W/L RIH W/ GUAGE RNG TO 7150' POOH PU RIH W/ 10K CBP SET @ 7130' POOH PU DUMP BAILER RIH DUMP 4 SKS CEM IN 2 RUNS FILL HOLE W/ TMAC PRESS TO 1000# SIW SDFN
6/10/2011	7:00 - 7:15	0.25	WO/REP	48		P		JSA= TONG SAFETY
	7:15 - 7:15	0.00	WO/REP	30		P		0 PSI ON WELL ND BOPS ND WELLHEAD PU INT CUTTER RIH CUT CSG 8' FROM SURFACE LD CUTTER & HANGER PU OVERSHOT RIH PULL ON CSG RU TONGS & W/L PU STRING SHOT RIH TO FIRST COLLAR APPLY LH TORQUE SET OFF SHOT B/O CSG LAY ALL DOWN PU SKIRTED PUP & JNT RIH THREAD ONTO CSG TORQUE TO 7000 FT/# RU TESTERS TEST TO 3500# ND TESTERS SET SLIPS W/ 90000 TENSION NU W/H RU FLOOR & TUBING EQUIP PU 3-7/8" BIT RIH TAG TOC @ 7110' PREP TO D/O SIW SDFW
6/13/2011	7:00 - 7:15	0.25	WO/REP	48		P		JSA= FOMER
	7:15 - 7:15	0.00	WO/REP	30		P		0 PSI ON WELL EST CIRC W/ FOAMER C/O & DRILL THRU CEM & CBP @ 7130' W/ 100# INCREASE CONTINUE TO RIH TAG FILL @ 8753' C/O & DRILL THRU 25' SCALE CONTINUE TO RIH TAG FILL @ 9158' C/O & DRILL TO PBTD @ 9189' CIRC CLEAN POOH LD 17 JNTS CONTINUE TO POOH TO BIT PU NOTCHED 1/87 XN NPL RIH W/ 287 JNTS LAND TUBING ON HNGR EOT @ 8685.14 RD FLOOR & TUBING EQUIP ND BOPS NU WELLHEAD SIW RD RIG PREPAIR TO MOVE

RECEIVED: Jan. 24, 2012

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-21577

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1021-32G

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047391360000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6524

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2038 FNL 2065 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 32 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 12/16/2015	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☑ OTHER	OTHER: TUBING FAILURE

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A WORKOVER FOR TUBING FAILURE HAS BEEN COMPLETED ON THE NBU 1021-32G WELL. PLEASE SEE THE ATTACHED OPERATIONS SUMMARY REPORT FOR DETAILS.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
December 21, 2015

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Kristina Geno	720 929-6824	Regulatory Analyst
SIGNATURE N/A		**DATE** 12/18/2015

US ROCKIES REGION

Operation Summary Report

Well: NBU 1021-32G	Spud Conductor: 3/2/2010	Spud date: 4/8/2010	
Project: UTAH-UINTAH	Site: NBU 1021-32G		Rig name no.: MILES-GRAY 1/1
Event: WELL WORK EXPENSE	Start date: 12/3/2015		End date: 12/8/2015
Active datum: RKB @5,362.00usft (above Mean Sea Level)	UWI: NBU 1021-32G		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
12/3/2015	7:00 - 7:15	0.25	MAINT	48		P		SAFETY = JSA.
	7:15 - 10:00	2.75	MAINT	30	G	P		ROAD RIG FROM NBU 921-21A PAD. HAD FLAT TIRE ON DOG HOUSE. HAD TO REMOVE TIRE CHAINS TO DRIVE ON THE PAVEMENT. RE-INSTALL TIRE CHAINS FOR SNOWY ROADS.
	10:00 - 11:00	1.00	MAINT	30	A	P		MIRU. SPOT IN ALL EQUIP. R/U PUMP LINES. SPOT IN PIPE WRANGLER & RACKS.
	11:00 - 12:00	1.00	MAINT	30	F	P		FCP & FTP= 70#. TRY TO CNTRL TBNG W/ 20BBLS TMAC BUT CAUGHT PRESSURE. PRESSURE UP TO 1500# W/ NO BLEEDOFF (CALL FOR WIRELINE TO PUNCH TBNG). CNTRL CSG W/ 15BBLS TMAC. NDWH. UN-LAND TBNG (NOT STUCK). LAND TBNG BACK ON HANGER. NUBOP. R/U FLOOR & TBNG EQUIP. UN-LAND TBNG. RMV HANGER.
	12:00 - 12:30	0.50	MAINT	31	I	P		INSTALL WASHINGTON RUBBER. PREP & TALLY TBNG. P/U & RIH W/ 3JTS 2-3/8" J-55 TBNG. T/U HIGH @ 8751'. BOTTOM PERF @9170'. L/D 3JTS TBNG USED TO T/U.
	12:30 - 13:30	1.00	MAINT	46	F	X		TBNG WAS FOUND TO BE PLUGGED. SO WAIT ON WIRELINE CREW FROM VERNAL.
	13:30 - 14:45	1.25	MAINT	34	H	P		MIRU WIRELINE. P/U & RIH W/ 1'X 4SPF TBNG PUNCHER. PERF TBNG F- 8513' T- 8514'. POOH W/ E-LINE. RDMO E-LINE.
	14:45 - 17:00	2.25	MAINT	31	I	P		MIRU SCANNERS. POOH WHILE SCANNING 139JTS 2-3/8" J-55 TBNG. L/D ALL TBNG AS SINGLES FOR BETTER INSPECTION. DRAIN EQUIP. SWIFN. LOCK RAMS. SDFN.
12/4/2015	7:00 - 7:15	0.25	MAINT	48		P		SAFETY = JSA.
	7:15 - 9:30	2.25	MAINT	31	I	P		SICP= 400#. SITP= 300#. BLOW DOWN CSG TO FLOWBACK TANK. CNTRL TBG W/ 15BBLS TMAC. CONT POOH WHILE SCANNING TBNG. L/D ALL TBG AS SINGLES FOR BETTER INSPECTION. POOH W/ TOTAL OF 277JTS 2-3/8" J-55 TBNG. SCAN RESULTS AS FOLLOWS: Y-BND=226JTS B-BND= 17JTS. DUE TO MINOR INTERNAL PITTING. R-BND= 34JTS. WORST INTERVAL FOR WEAR F- JT#251 T- JT #277. DUE TO INTERNAL PITTING AND WERE ALSO NO DRIFTS DUE TO INTERNAL SCALE. PERF HOLES FOUND IN JT#274. TOOLS WERE STUCK IN JT# 277 AND WERE NOT RECOVERABLE. TOOLS WERE STUCK IN SCALE & VERY FINE SAND. MODERATE EXT SCALE F- JT#215 T- JT# 277. RDMO SCANNER.

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	9:30 - 14:00	4.50	MAINT	31	I	P		PREP & TALLY TBNG ON PIPE RACKS. P/U & RIH W/ 3-7/8" MILL, BIT SUB + 260JTS 2-3/8" J-55 Y-BND TBNG. TOO LATE IN THE DAY TO BREAK CIRC. PUMP 30BBLS TMAC DOWN TBG TO MAKE SURE MILL IS NOT PLUGGED (GOOD). DRAIN EQUIP. SWIFWE. SDFWE.
12/7/2015	7:00 - 7:15	0.25	MAINT	48		P		SAFETY = JSA.
	7:15 - 8:00	0.75	MAINT	31	I	P		SICP= 450#. SITP= 450#. BLOW DOWN CSG TO FLOWBACK TANK. CNTRL TBG W/ 10BBLS TMAC. CONT RIH W/ 3-7/8" MILL, BIT SUB + 2-3/8" J-55 Y-BND TBNG. T/U ON SCALE @8732' W/ 278 TOTAL JTS + BHA. R/U POWER SWIVEL.
	8:00 - 12:30	4.50	MAINT	31	N	P		MIRU N2 FOAM UNIT. BREAK CONV CIRC IN 2HRS. D/O HEAVY SCALE F- 8732' T- 8827'. FALL THRU. CONT RIH. T/U @9141'. D/O HEAVY SCALE F- 9141' T- 9170'. C/O SAND TO 9188' PBTD W/ 293JTS 2-3/8" J-55 TOTAL + BHA. CIRC WELL CLEAN FOR 1HR. CNTRL TBG W/ 15BBLS TMAC. R/D POWER SWIVEL.
	12:30 - 17:00	4.50	MAINT	31	I	P		POOH WHILE L/D 27JTS 2-3/8" J-55 TBNG NOT NEEDED FOR PRODUCTION. CONT POOH WHILE STD BACK 266JTS TBNG. L/D MILL & BIT SUB. P/U & TIH W/ 1.875" XN-NOTCH NIPPLE + 180JTS 2-3/8" J-55 TBG. BROACH ALL TBNG GOOD WHILE TIH W/ 1.910" BROACH. SWIFN. DRAIN EQUIP. SDFN.
12/8/2015	7:00 - 7:15	0.25	MAINT	48		P		SAFETY = JSA.
	7:15 - 10:00	2.75	MAINT	31	I	P		SICP= 400#. SITP= 250#. BLOW DOWN CSNG TO FLOWBACK TANK. CNTRL TBG W/ 15BBLS TMAC. CONT TIH W/ 1.875" XN + REMAINING 86JTS 2-3/8" J-55 Y-BND TBNG (266JTS TOTAL). BROACH ALL TBNG GOOD WHILE TIH W/ 1.910" BROACH. LAND TBNG ON HANGER. R/D FLOOR & TBG EQUIP. NDBOP. NUWH. SWI. RDMOL. PRODUCTION TBNG LANDED AS FOLLOWS: KB= 18.00' HANGER= .83' 266JTS 2-3/8" J-55 Y-BND TBNG= 8342.11' 1.875" NOTCH XN= 1.05' EOT @8361.99'
	10:00 - 12:00	2.00	MAINT	31	H	P		MIRU N2 FOAM UNIT. BREAK CONV CIRC TO FLOWBACK TANK. UN-LOAD WELLBORE. SWI. RDMO FOAMER.
12/10/2015	7:00 - 15:00	8.00	PROD	42		P		SWABBING FL 5000
12/11/2015	7:00 - 19:00	12.00	PROD	42	B			FLUID @ 5000', 9 RUNS, 40 BARRELS.
12/14/2015	7:00 - 19:00	12.00	PROD	42		P		SWABBING FL 4500
12/15/2015	7:00 - 19:00	12.00	PROD	42		P		SWABBING FL 6000
12/16/2015	7:00 - 19:00	12.00	PROD	42		P		SWABBING FL 6000

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